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January 8, 2019

Mr. Arn Franzen
Director of Parks
Office of Strategic Planning and Community Development
City Hall, 3rd Floor
93 Highland Avenue
Somerville, MA 02143

Re: Environmental Site Assessment Data Transmittal and Letter Report

Conway Park – Somerville, Massachusetts Release tracking Number (RTN) 3-34868

Dear Mr. Franzen:

Weston & Sampson is pleased to submit this letter report summarizing the results of the most recent Environmental Site Assessment (ESA) for the Conway Park in Somerville, Massachusetts (the Site). This investigation was conducted due to the detection of polychlorinated biphenyls (PCBs) and lead in soil in a previous investigation. This letter provides a brief description of the Site; a summary of Site history, previous site investigations, release notification and details of a Site investigation conducted in July 2018.

In this letter we summarize the iterative testing performed to evaluate potential contaminants and subsequently the distribution of lead and PCBs, which were the primary contaminants-of-concern (COCs). Following detection of contaminants, the City immediately closed Conway Park to the public pending further investigation. The investigation focused on the playground area initially and subsequently on the ballfield area. The City worked with the Environmental Protection Agency (EPA) and Massachusetts Department of Environmental Protection (MassDEP) on this issue and opened the northwestern portion of the playground on October 31, 2018.

Site Description

The Site is an approximately 2.8-acre City-owned park located at 550 Somerville Avenue in Somerville. Figure 1 – Locus Map shows the Site and surrounding area of Somerville. As shown in Figure 2 – Site Plan, the northern portion of the Site abuts Somerville Avenue and is developed as a playground (the Playground), and the remainder of the Site south of the Playground, is developed as ballfields (the Ballfield). The Playground includes a mulched area with a playset; hardscape that includes a concrete sitting area, path and circular splash pad; grassy areas surrounding the splash pad; and a small concession stand that straddles the western property line (see Figure 3). The Ballfield comprises the remainder of the Site and includes two baseball diamonds, one at the northeast corner and one at the southwest corner. The majority of the remainder of the Ballfield is grassy with trees lining the eastern and western property lines. A fence surrounds both the Ballfield and Playground, and separates the two areas.

The topography of the Site is generally flat within the perimeter fence, with a gentle slope to the south, toward the adjacent Fitchburg Main Line railroad right-of-way (FML). The FML is an active commuter rail line managed by the Massachusetts Bay Transportation Authority (MBTA). Outside the perimeter fence to the south, the Site is steeply sloped toward the FML, which is several feet lower than the Site in elevation. The Site is higher in elevation than properties located immediately to the east, and the grade change is achieved by use of a poured-in-place concrete retaining wall.

Site History

Weston & Sampson reviewed available Site history documents to attempt to understand the source of lead and PCBs at Conway Park. According to a March 2000 report titled Historical Report of Conway Park (the Historical Report), a bleachery/dye works occupied at least some portion of Conway Park as early as 1801. Historical Sanborn® Fire Insurance maps indicate the Site was occupied by the Middlesex Bleachery and Dye Works in 1888.

and the K.M. Gilmore and Co. Bleach, Dye and Print Works in 1900 and 1934. The extent of the former bleachery stretched beyond the bounds of the Site to the property immediately west of the Site, now developed as the Veterans Memorial Ice Rink. Numerous buildings with varied uses were located on-Site during this period, and a rail spur connected the Site to the FML. The Historical Report indicates that the primary industrial use at the bleachery slowly shifted from bleachery and dye works to textile printing into the early 20th Century, and ultimately the facility closed sometime between 1931 and 1934. The bleachery buildings were demolished sometime between 1938 and 1943.

Later Sanborn® maps from 1950 to 1991 depict the Site as vacant land. A playground is labeled in the 1989 and 1991 maps in the area immediately west of the Playground, north of the Veteran's Memorial Rink. Residences appear adjacent to the southeast of the Site in Sanborn® maps from 1888 to present day, with some retail shops appearing sporadically in the maps. Residences started appearing north of the Site (across Somerville Ave) as early as 1900.

The Historical Report, supported by newspaper clippings dated 1943, indicates that the Site has remained a park since the early- to mid-20th Century. Historical aerial photos of the Site show major reconfigurations between 1969 and 1970 (Veteran's Memorial Rink built adjacent to Site), between 1970 and 1978 (baseball diamonds constructed in northwest and southeast corners of the Ballfield), and between 1995 and 2008 (baseball diamonds constructed in northeast and southwest corners of the Ballfield). The current configuration of the Site, both the Playground and the Ballfield, has been unchanged since the last major renovation in 1999 to 2001. The grade of the southern portion of the Site was raised sometime between the demolition of the bleachery buildings (late 1930s to early 1940s) and the current configuration of the Ballfield. It is not possible to further narrow the timeline of emplacement of fill at the Site with certainty from the public historical record; however, based its location close to the FML right-of-way, it is likely that the elevation of southern portion of the Site was raised prior to the construction of the southeast baseball diamond (present from 1970 to 1978).

Previous Investigations

Initial Environmental Site Assessment - October/November 2017

Weston & Sampson conducted an initial investigation of the Ballfield in October and November of 2017 as part of planning for a retaining wall project in the southeastern corner of the Site and in advance of park redesign. The October/November 2017 subsurface investigation included the advancement of eight (8) soil borings using direct-push technology (P-1 through P-8), eight (8) soil borings using hollow-stem auger methods (WSE-1 through WSE-8; geotechnical investigation), and the excavation of two test pits (TP-1 and TP-2). The initial investigation identified concentrations of polycyclic aromatic hydrocarbons (PAHs) equal to or above MassDEP Reportable Concentrations (RCs) for S-1 soil (RCS-1) thresholds in 11 of 21 samples submitted for laboratory analysis. Additionally, one sample (Disposal Characterization), collected as a composite of three approximately 20-foot soil borings, proximate to the retaining wall in the southeast corner of the Ballfield, contained a concentration of PCBs above the RCS-1. The data from this initial investigation are summarized in Tables 1 and 2. Sample locations are shown in Figure 2.

Supplemental Environmental Site Assessment - March 2018

Following the detection of Reportable Concentrations of contaminants, including PCBs, at the Site, Weston & Sampson conducted a supplemental investigation in March 2018. The purpose of supplemental investigation was to further examine the nature and extent of lead and PCBs across the Site, and to determine if impacts to soil existed within the Playground, which was not considered in the October/November 2017 investigation.

On March 7, 2018, Weston & Sampson oversaw the advancement of fourteen (14) soil borings at the Site: two within the Playground and twelve within the Ballfield. Soil borings were advanced using direct-push technology to depths of approximately 15 feet below ground surface (bgs). Four of the 14 borings, one in each corner of the Site, were completed as groundwater monitoring wells.

Lead in soil was detected in all 28 samples submitted for laboratory analysis. Lead concentrations ranged from 2.5 milligrams per kilogram (mg/kg) to 960 mg/kg, with seven of the samples exceeding the MCP Method 1 Cleanup Standard of 200 mg/kg and 21 of the samples below the standard.



PCBs were detected in seven of the eight locations sampled, including one sample collected from 0 to 3 feet bgs within the Playground. Seven of the samples analyzed contained PCB concentrations in excess of the Method 1 Cleanup Standard, ranging from 2.7 mg/kg up to 5,900 mg/kg. The results of the March 7, 2018 investigation are summarized in Tables 3A and 3B. Sample locations are shown in Figure 2.

Because PCBs and lead were detected at high concentrations in the 0- to 3-foot bgs depth interval, Weston & Sampson remobilized to the Site on March 26, 2018, to determine if high concentrations of PCBs existed in the surficial, 0- to 1-foot depth interval. This surficial soil sampling included twenty-one (21) soil borings, advanced using a stainless-steel hand auger to a depth of approximately 1-foot bgs. Of the 21 soil borings, eight were located within the Playground and thirteen were located within the Ballfield. One sample was collected from each of the 21 soil borings from the 0- to 1-foot bgs depth interval. In the case of the Playground, three surficial samples were not analyzed for lead because the 0- to 1-foot bgs depth interval was not soil, but bark mulch.

Lead was detected in all five of the soil samples submitted from within the Playground. The detected concentrations of lead ranged from 60 mg/kg to 160 mg/kg. PCBs were detected in five of the eight samples submitted for analysis, including two concentrations in excess of the Method 1 Cleanup Standard (1 mg/kg).

Within the Ballfield, lead was detected in all thirteen of the soil samples submitted for analysis. The detected concentrations ranged from 3.8 mg/kg to 160 mg/kg. PCBs were detected in eleven of the thirteen samples submitted for analysis from within the Ballfield. Nine of the detections were in excess of the Method 1 Cleanup Standard, ranging from 2.8 mg/kg to 14 mg/kg. The results of the March 26, 2018, subsurface investigation are summarized in Tables 4A and 4B. Sample locations are shown in Figure 2.

On March 15, 2018, Weston & Sampson collected groundwater samples from four (4) on-site monitoring wells. The samples were collected in accordance with EPA low flow guidelines and analyzed for dissolved MCP 14 metals (antimony, arsenic, barium, beryllium, cadmium, chromium, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc), extractable petroleum hydrocarbons (EPH), and volatile organic compounds (VOCs). Samples were placed in new, laboratory-prepared bottles and submitted to Con-Test for analysis. Groundwater samples collected showed that contaminant concentrations were either not detectable or detected below the applicable groundwater standards. A summary of the groundwater analytical results is included in Table 5.

Once PCBs were detected in the playground area, the City immediately fenced the playground and closed access to the whole Site. Following the March 26, 2018, shallow soil sampling, Weston & Sampson performed an Imminent Hazard Evaluation using the results of the surficial soil sampling and concluded that an Imminent Hazard did not exist at the Site; however, out of an abundance of caution, recommended to the City that both the Playground and Ballfield remain closed and restricted from access until discussions with regulatory agencies.

Release Notification and Discussions with Regulatory Agencies

The detection of PCBs and lead was reported to MassDEP on March 29, 2018. The Site is now managed under the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000, and is tracked under Release Tracking Number (RTN) 3-34868. Weston & Sampson also notified the EPA Region 1 PCB Coordinator, Ms. Kim Tisa. Based on the data collected, the Site is regulated under both the MCP and EPA's Toxic Substances Control Act (TSCA). Weston & Sampson, together with the City, presented the findings of the initial assessment at a public meeting on March 29, 2018.

On June 11, 2018, Weston & Sampson met on-Site with the City and representatives from MassDEP and EPA to discuss additional assessment. The assessment process that followed was based on discussions with MassDEP and EPA.

Environmental Site Assessment – July 2018

Weston & Sampson performed an Environmental Site Assessment in July 2018 to further assess the nature and extent of PCBs and lead throughout the Site. The assessment included the advancement of ninety-one (91) additional soil borings, including 17 within the Playground and 74 within the Ballfield, as well as the collection and



analysis of seven hundred three (703) soil samples and seven (7) concrete samples. Sample locations are shown in Figure 2. A figure showing the different surface finishes in Playground is included as Figure 3.

Soil Boring Advancement and Sample Collection

Soil borings were advanced using direct-push technology to depths of approximately 3.5 to 17.5 feet bgs, with each boring reaching bottom of the fill material. Borings were located in an approximately 50-foot grid across the Site, with a higher resolution, 25-foot grid within the two baseball diamonds, and a 10-foot grid surrounding B-105, where PCBs were detected at a concentration of 5,900 mg/kg. Based on conversations with Ms. Kim Tisa of EPA and Mr. Steve Johnson of MassDEP, samples were collected from each boring at the following depth intervals: 0- $\frac{1}{2}$ feet, $\frac{1}{2}$ - 1.5 feet, 1.5 – 2.5 feet, 2.5 – 3.5 feet. If native material was not encountered at 3.5 feet bgs, sample collection continued in 2-foot increments until native material was encountered (i.e., 3.5 – 5.5 feet, 5.5 – 7.5 feet, etc.). Decontamination procedures using a triple-wash of Alconox, hexane, and deionized water were conducted after the advancement of each section of 5-foot tooling.

Samples were placed in new, laboratory-prepared bottles and submitted to Con-Test for analysis. All 68 samples collected from within the Playground were analyzed for PCBs using Soxhlet extraction, and lead. In the ballfield, all 635 samples collected were analyzed for PCBs using Soxhlet extraction, and 351 of those samples were analyzed for lead.

Concrete Sample Collection

Concrete samples were collected in accordance with EPA's Standard Operating Procedure for Sampling Porous Surfaces for PCBs within the Playground. The concrete sample were placed in new, laboratory-prepared bottles, and submitted to Con-Test for analysis of PCBs using Soxhlet extraction.

PCBs were not detected in the concrete samples collected during the July 2018 investigation. A summary of the concrete analytical results is provided as Table 6.

Environmental Assessment Results

Playground

Laboratory analytical results from the July 2018 investigation show PCB concentrations in soil above the laboratory reporting limit at 11 of the 17 soil boring locations ranging from 0.10 to 5.1 mg/kg within the Playground. PCB concentrations at six of the eleven locations are greater than the Method 1 Cleanup Standard. All of the locations with Method 1 Cleanup Standard exceedances are on the eastern portion of the Playground in the grassy area (see Figure 3). No samples collected from the northwestern portion of the Playground show PCB concentrations above 1 mg/kg. Lead was detected in all samples submitted ranging from 5.2 to 280 mg/kg. Lead concentrations exceeded the Method 1 Cleanup Standard in only one sample, B-R-7 (2.5-3.5), which was collected from the northwestern portion of the Playground. A summary of the laboratory analytical results for the Playground is provided in Tables 7A and 8A.

PCBs were not detected above the laboratory reporting limits in any of the seven concrete samples collected and analyzed.

A risk characterization was conducted for the northwestern portion of the Playground to evaluate if it was safe for public use. The risk characterization compares data to applicable standards that have been developed to be protective of human health and the environment. Weston & Sampson calculated Exposure Point concentrations using an average from all data, and an average from the surficial 0-0.5 feet, 0.5 to 1.5 feet depth and the original 0-3-foot sample below grade/mulch/grass interval only. EPCs are shown below.



| Parameter | Units | Min Conc. | Max. Conc. | No. of samples | EPC- Average All data | No. of samples | EPC- Average Surficial | MCP Method 1 Standard |
|------------|-------|-------------|---------------|----------------|-----------------------------|----------------|------------------------------|-----------------------------|
| Total PCBs | mg/kg | ND (<0.081) | 0.27 | 39 | 0.07 | 20 | 0.09 | 1 |
| Lead | mg/kg | 4.2 | 200 | 35 | 63.82 | 18 | 67.91 | 200 |

The results of the risk characterization showed that none of the data for the northwestern portion of the Playground exceeded the Method 1 Cleanup Standards at any location. One lead sample equals the standard, but the EPC based on averages is less than 68 mg/kg compared to the standard of 200 mg/kg. For PCBs, the maximum concentration detected is 0.27 mg/kg compared to the MCP Method 1 and Toxic Substance Control Act (TSCA) cleanup standard of 1 mg/kg.

Based on these data, on October 22, 2018, we recommended removing the fence to open-up the northwestern portion of the Playground and to allow the public to access that portion of the Site only. EPA and MassDEP were in agreement with our recommendation. The City will also put down fresh mulch on top of existing mulch. The Playground was re-opened in the above-mentioned capacity on October 31, 2018.

Ballfield

Laboratory analytical results from within the Ballfield collected during the July 2018 investigation show PCB concentrations in soil meeting or exceeding the Method 1 Cleanup Standard (1 mg/kg) in 224 of 635 soil samples collected. The general distribution of PCB impacts by depth is as follows:

| Depth Below Ground Surface | Non- Detect – 1 mg/kg | >/=1, < 5 mg/kg | >/=5, < 10 mg/kg | >/=10, < 50 mg/kg | > 50 mg/kg | Max Concentration |
|-------------------------------|-----------------------------|--------------------|---------------------|----------------------|------------|----------------------|
| 0 – 0.5 feet | 24 | 21 | 22 | 7 | 0 | 26 mg/kg |
| 0.5 – 1.5 feet | 38 | 15 | 7 | 12 | 2 | 74 mg/kg |
| 1.5 – 2.5 feet | 38 | 18 | 3 | 12 | 3 | 1,200 mg/kg |
| 2.5 – 3.5 feet | 41 | 18 | 4 | 7 | 4 | 12,000 mg/kg |
| 3.5 – 5.5 feet | 53 | 7 | 5 | 1 | 8 | 20,000 mg/kg |
| 5.5 – 7.5 feet | 57 | 7 | 1 | 6 | 3 | 2,600 mg/kg |
| 7.5 – 9.5 feet | 60 | 2 | 1 | 1 | 1 | 40,000 mg/kg |
| 9.5 – 11.5 feet | 57 | 3 | 1 | 1 | 0 | 49 mg/kg |
| 11.5 – 13.5 feet | 30 | 0 | 0 | 0 | 0 | 0.45 mg/kg |
| 13.5 – 15.5 feet | 8 | 0 | 0 | 0 | 0 | 0.15 mg/kg |
| 15.5 – 17.5 feet | 2 | 1 | 0 | 0 | 0 | 4.3 mg/kg |
| 17.5 – 19.5 feet | 1 | 0 | 0 | 0 | 0 | Not detected |

^{*}For locations that included a duplicate sample, the higher of the two results is represented in the table above.

Fill material was observed throughout the Site ranging from approximately 3.5 feet bgs (Playground) to approximately 15 feet bgs (Ballfield). Cross sections of the subsurface showing the depth of material are provided in Figure 4.

With the exception of sample B-A-1 (15.5-17.5), PCBs were not detected above 1 mg/kg below 11.5 feet. Figures showing the horizontal distribution of PCBs by vertical sampling interval are provided in Figures 5A through 5H.

Lead was detected in all 351 samples analyzed. Lead concentrations exceed the Method 1 Cleanup Standard in 88 samples (approximately 25%), with a maximum concentration of 2,400 mg/kg at B-D-4 (2.5-3.5). A summary of the laboratory analytical results for the Ballfield is provided in Tables 7B and 8B.



Groundwater Sampling – November 2018

On November 21, 2018, Weston & Sampson collected groundwater samples from the 4 on-site monitoring wells. The samples were gathered in accordance with EPA low flow guidelines and analyzed for PCBs. Samples were placed in new, laboratory-prepared bottles and submitted to Con-Test for analysis. Groundwater samples collected from the four monitoring wells showed that contaminant concentrations were not detectable. A summary of the groundwater analytical results is included in Table 5.

Conclusions

Weston & Sampson performed an Environmental Site Assessment that included the advancement of ninety-one (91) additional soil borings, as well as the collection and analysis of seven hundred three (703) soil samples and seven (7) concrete samples. Based on the results of this and previous environmental investigations at the Site, we concluded the following:

- PCB impacts to soil greater than 1 mg/kg are present in the Playground only in the eastern portion, and the western/northwestern portion of the Playground is open for use by the public.
- Concrete in the Playground is not impacted by PCBs.
- PCB impacts to surficial soil (0- to ½-foot bgs) greater than or equal to 1 mg/kg are present throughout most of the Ballfield.
- High concentrations (greater than 10 mg/kg) of PCBs become increasingly localized to the southwestern portion of the Ballfield in deeper soil (1.5 feet bgs and deeper).
- Concentrations of PCBs in soil exceed 50 mg/kg from 1.5 to 9.5 feet bgs in the southwestern portion of the Ballfield, with the greatest concentration (40,000 mg/kg) recorded at B-B.5-4 (7.5-9.5).
- Lead is present in elevated concentrations throughout the Site, and above the Method 1 Cleanup Standard in approximately one-quarter of the samples analyzed.

Based on the concentrations of PCBs detected to date, the size of the Site, and desired end use, Weston & Sampson continues to recommend pursuing a Risk-Based Cleanup under TSCA. We anticipate Site closure through a combination of hot spot removal and risk assessment. We also assume that closure will be supported by covering the site with a marker barrier and cover system, which will be incorporated into the new field design.

Sincerely,

WESTON & SAMPSON ENGINEERS, INC.

Prasanta K. Bhunia, PhD, LSP

Vice President

George D. Naslas, P.G., LSP Vice President

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Attachments

Figure 1 – Locus Plan

Figure 2 – Site Plan

Figure 3 – Playground Finishes

Figure 4 – Cross Section A-A' and B-B'

Figure 5A-5H – PCB Distribution Plans

Table 1 – Summary of Soil Analytical Results – Initial Investigation

Table 2 – Summary of Soil Analytical Results – Disposal Characterization

Table 3A-3B – Summary of Soil Analytical Results – Supplemental Borings

Table 4A-4B – Summary of Soil Analytical Results – Additional Surficial Sampling

Table 5 – Summary of Groundwater Analytical Results

Table 6 – Summary of Concrete Analytical Results

Table 7A-7B - Summary of Soil Analytical Results - PCBs

Table 8A-8B – Summary of Soil Analytical Results – Lead

Attachment A – Soil Boring Logs

Attachment B - Monitoring Well Construction Reports

Attachment C - Laboratory Analytical Reports

Cc: Ms. Kim Tisa, EPA Region 1

Mr. Stephen Johnson, MassDEP

Mr. Brad Rawson, City of Somerville

Mr. Jason Grossfield, City of Somerville

Ms. Denise Taylor, City of Somerville

Ms. Emily Monea, City of Somerville

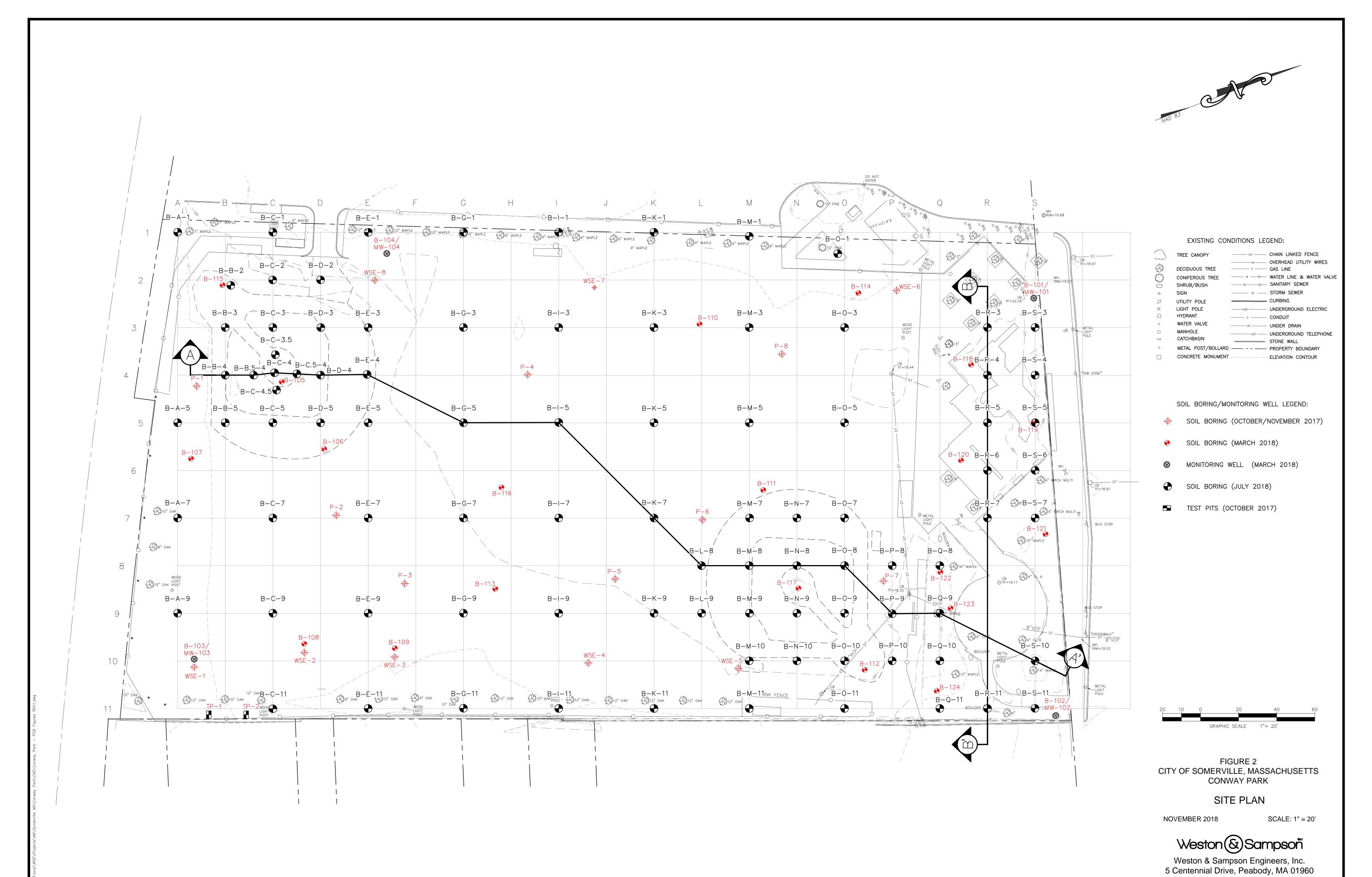
Ms. Jaclyn Rossetti, City of Somerville

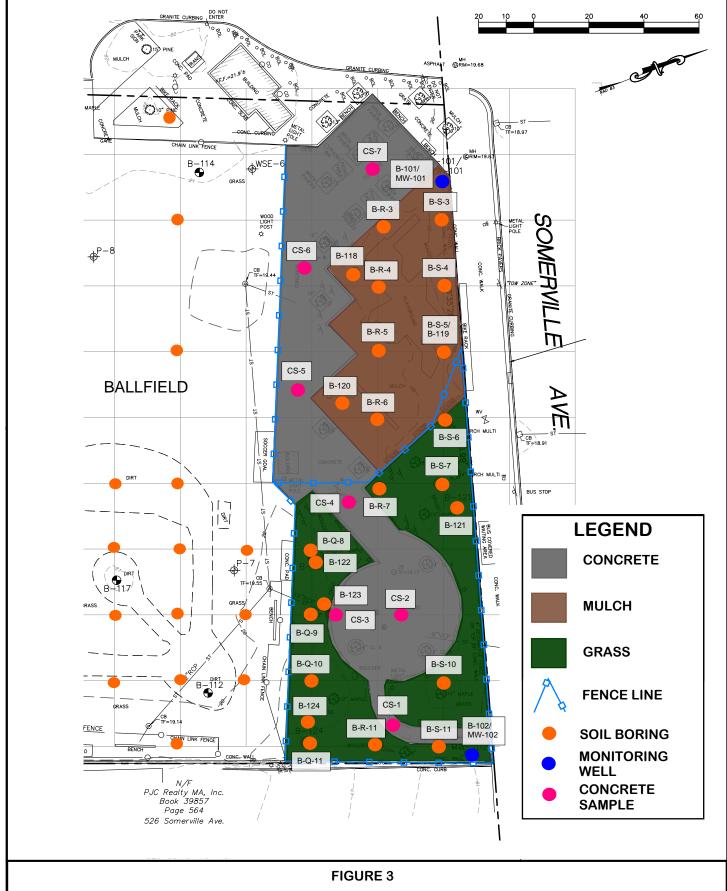
Mr. Vithal Deshpande, City of Somerville

Ms. Luisa Oliveira, City of Somerville



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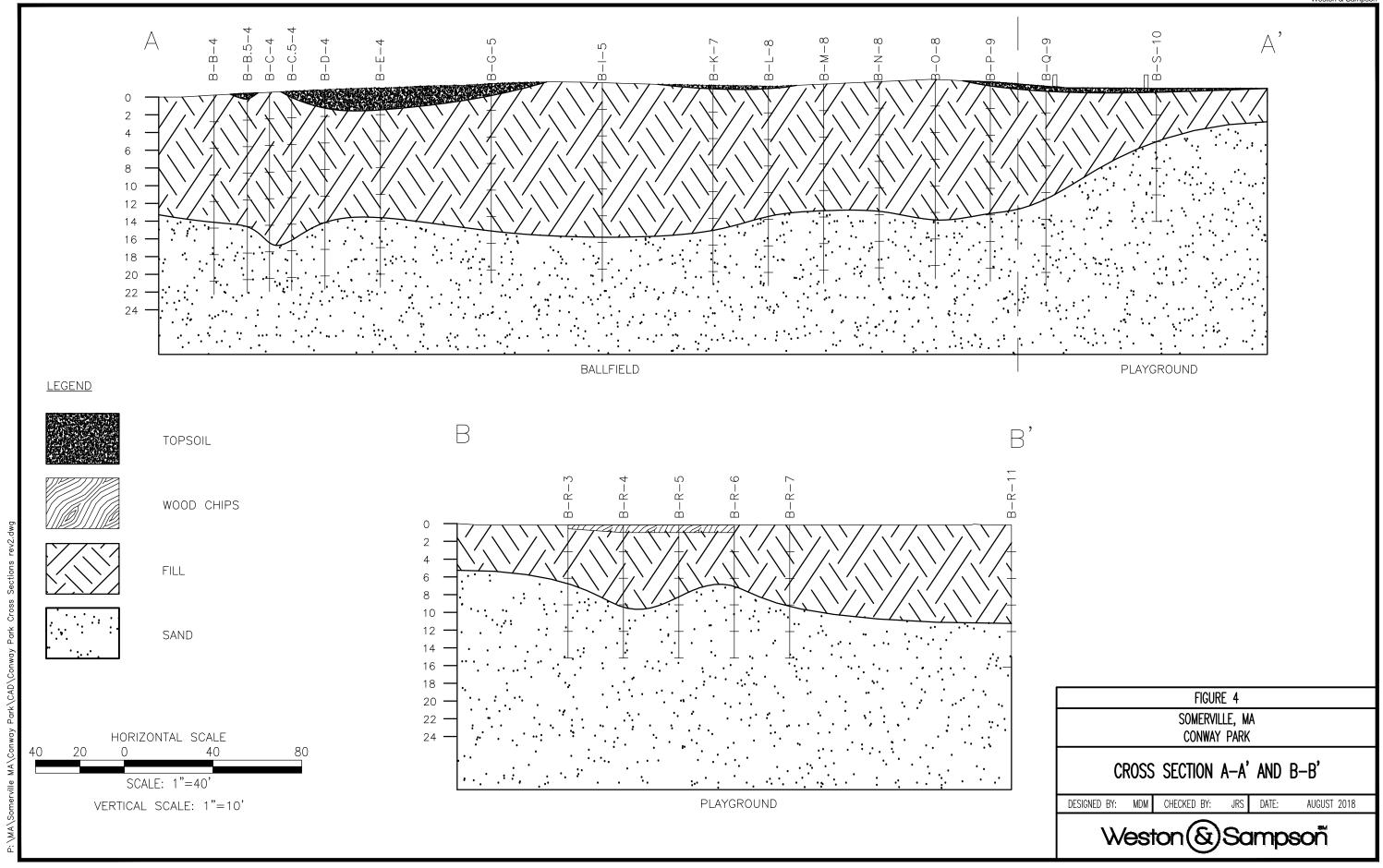
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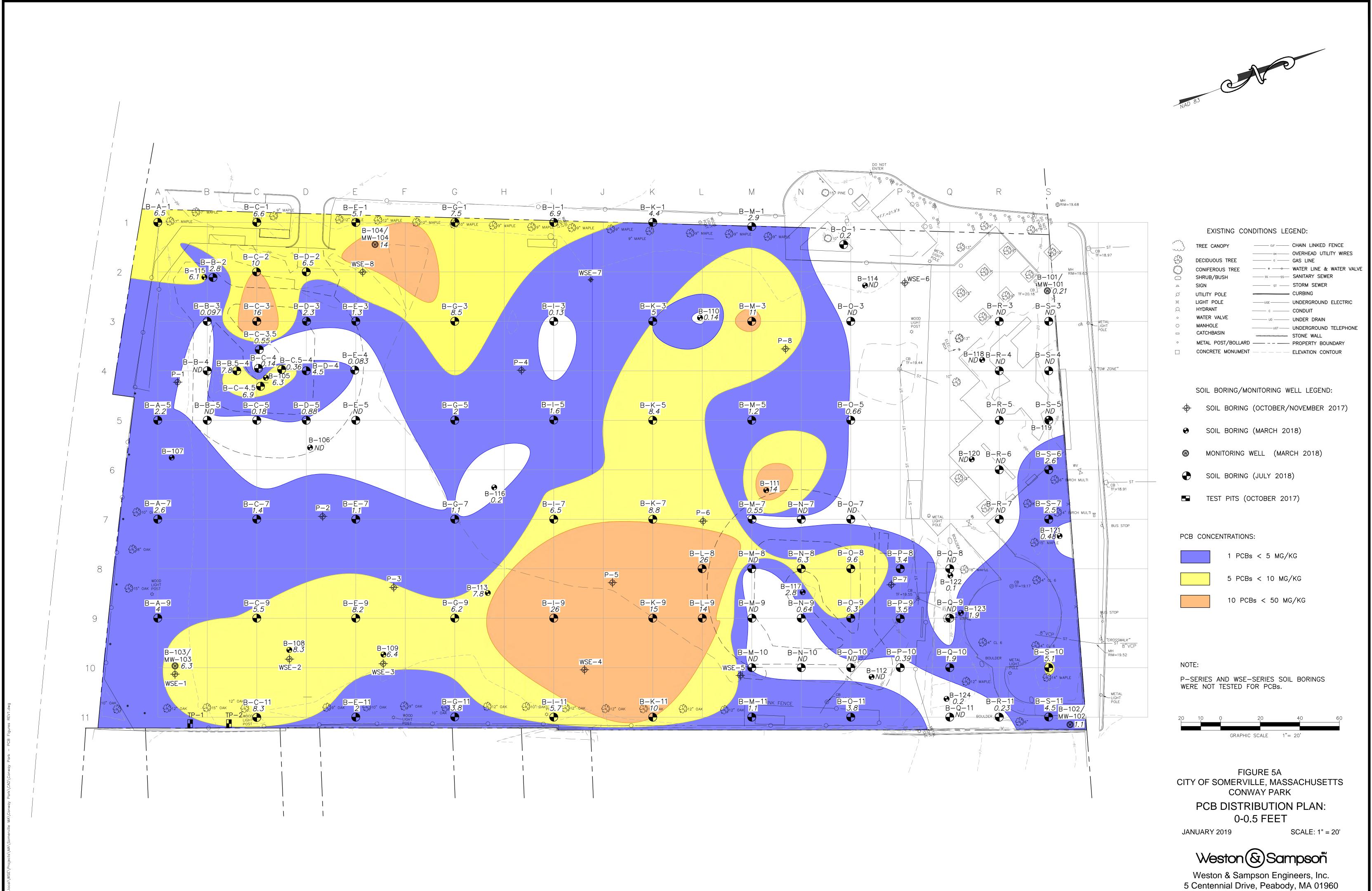
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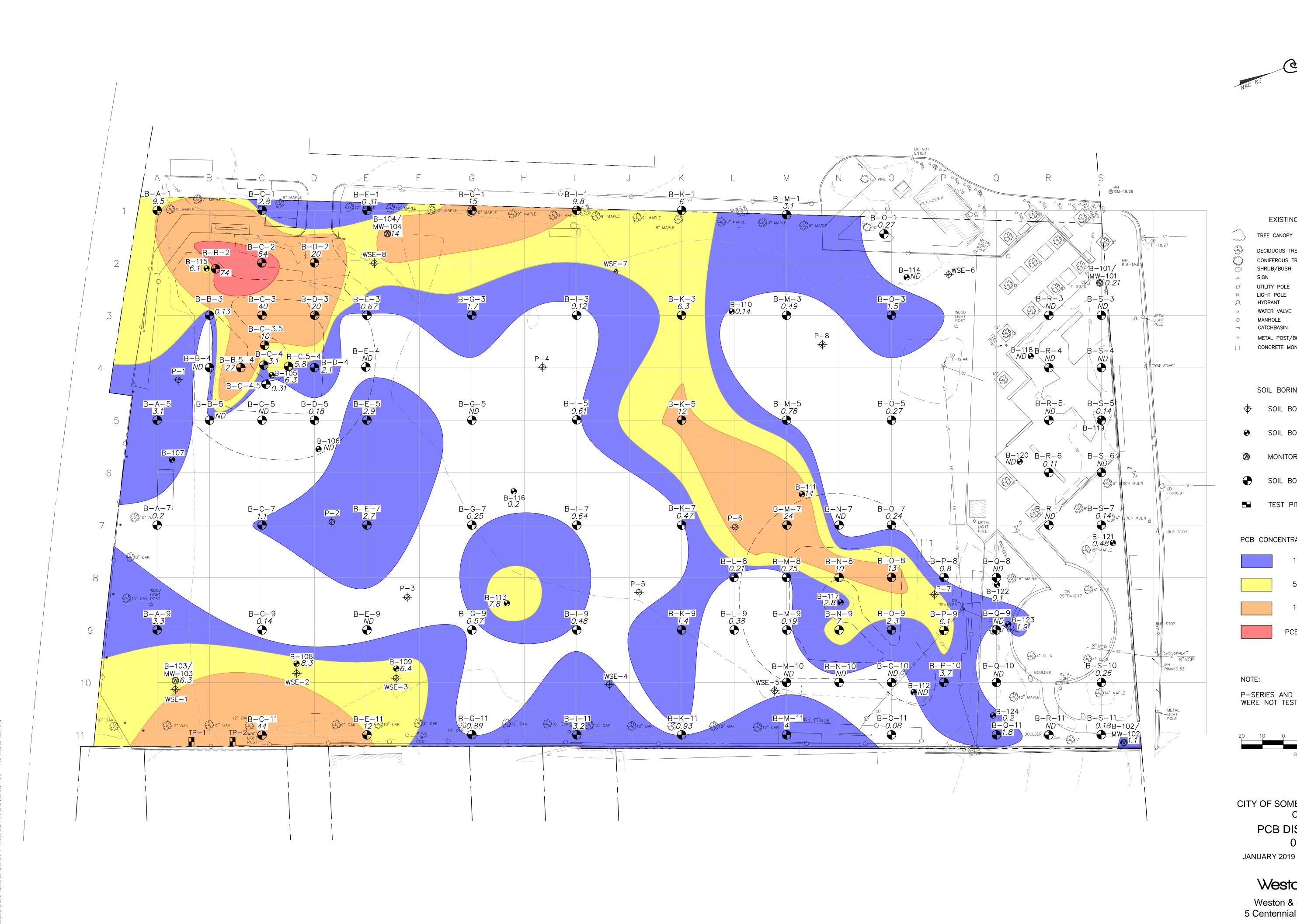
FINISHES



Weston & Sampson







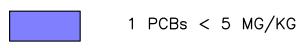


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SOIL BORING/MONITORING WELL LEGEND:

- SOIL BORING (OCTOBER/NOVEMBER 2017)
- SOIL BORING (MARCH 2018)
- MONITORING WELL (MARCH 2018)
- SOIL BORING (JULY 2018)
- TEST PITS (OCTOBER 2017)

PCB CONCENTRATIONS:



5 PCBs < 10 MG/KG



PCBs 50 MG/KG

P-SERIES AND WSE-SERIES SOIL BORINGS WERE NOT TESTED FOR PCBs.

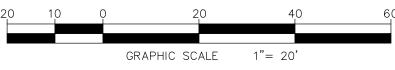
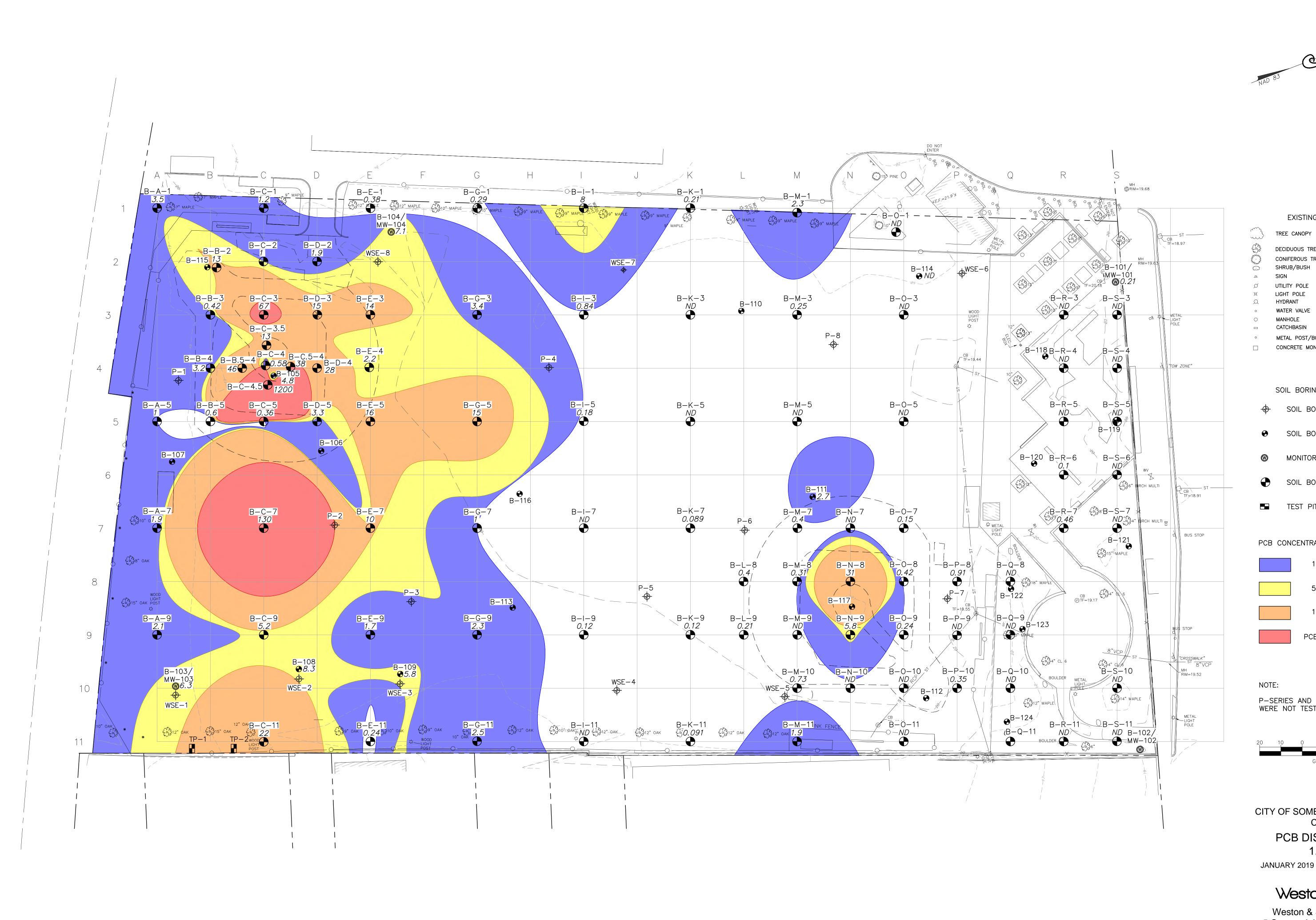


FIGURE 5B CITY OF SOMERVILLE, MASSACHUSETTS **CONWAY PARK** PCB DISTRIBUTION PLAN:

0.5 - 1.5 FEET

SCALE: 1" = 20'







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- SOIL BORING (OCTOBER/NOVEMBER 2017)
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PCB CONCENTRATIONS:



5 PCBs < 10 MG/KG

10 PCBs < 50 MG/KG

PCBs 50 MG/KG

P-SERIES AND WSE-SERIES SOIL BORINGS WERE NOT TESTED FOR PCBs.

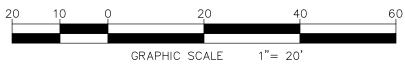
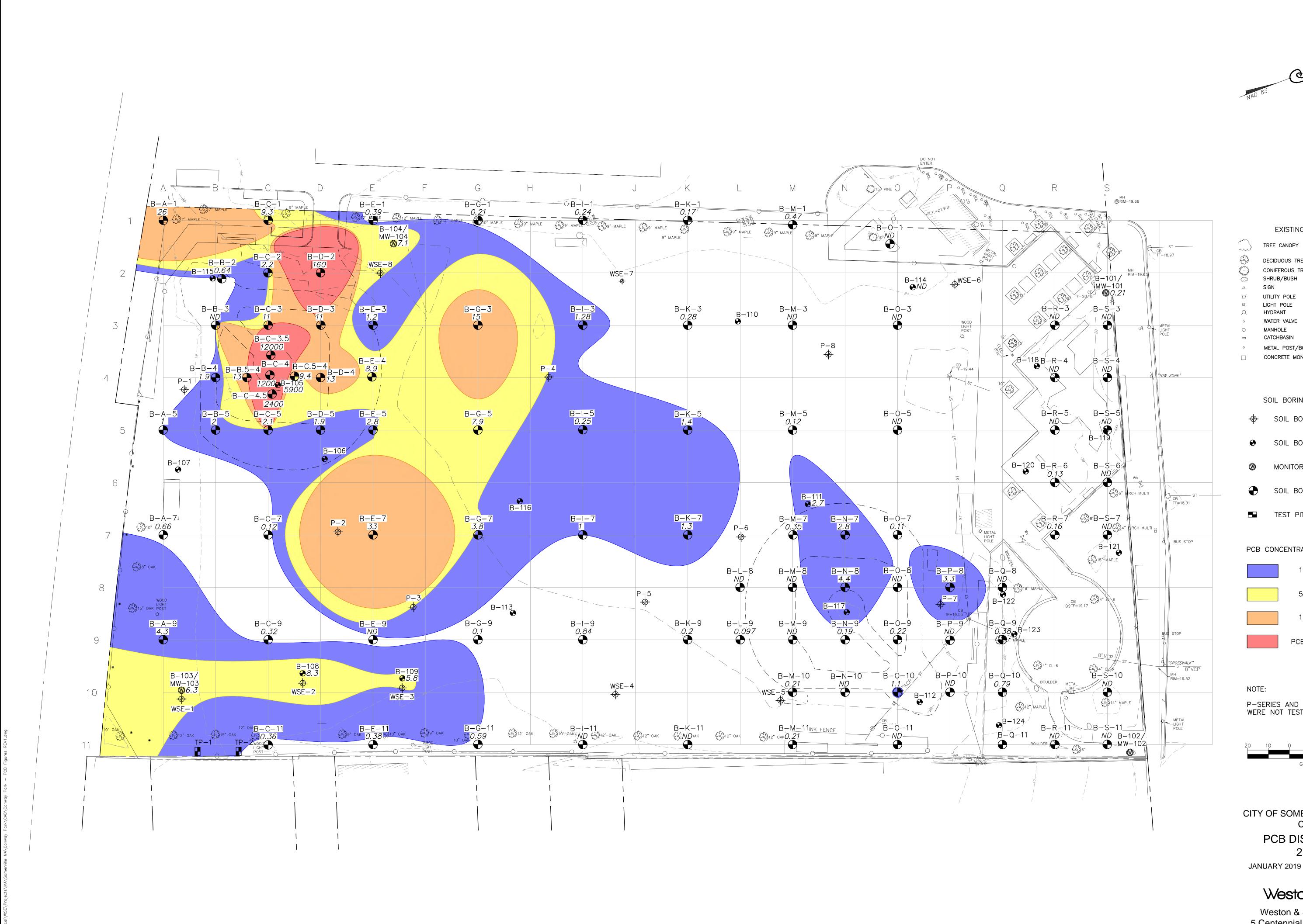


FIGURE 5C CITY OF SOMERVILLE, MASSACHUSETTS **CONWAY PARK** PCB DISTRIBUTION PLAN:

1.5 - 2.5 FEET

SCALE: 1" = 20'





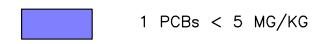


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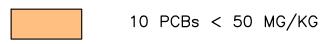
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5 PCBs < 10 MG/KG



PCBs 50 MG/KG

P-SERIES AND WSE-SERIES SOIL BORINGS WERE NOT TESTED FOR PCBs.

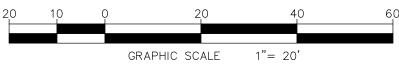
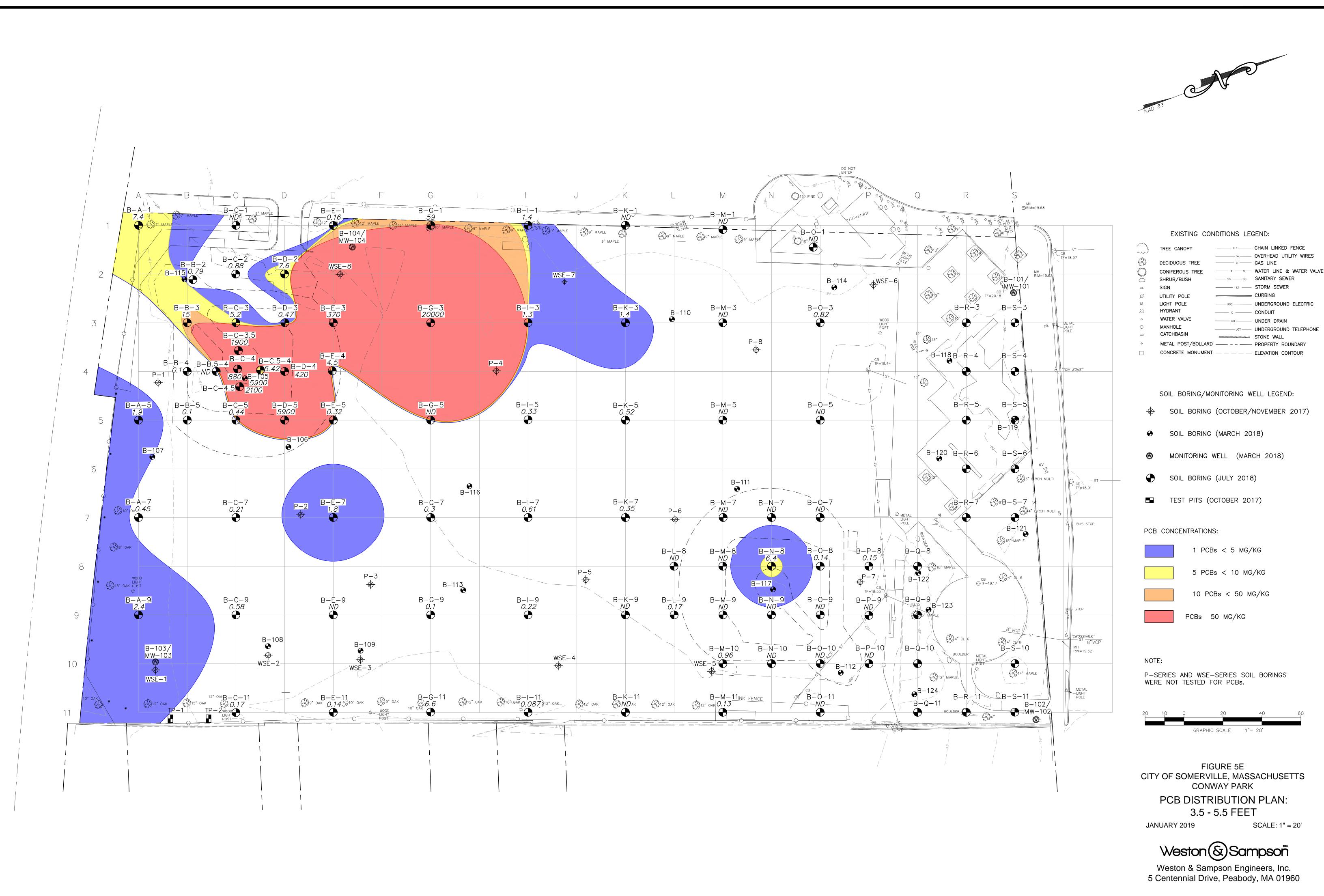


FIGURE 5D CITY OF SOMERVILLE, MASSACHUSETTS **CONWAY PARK**

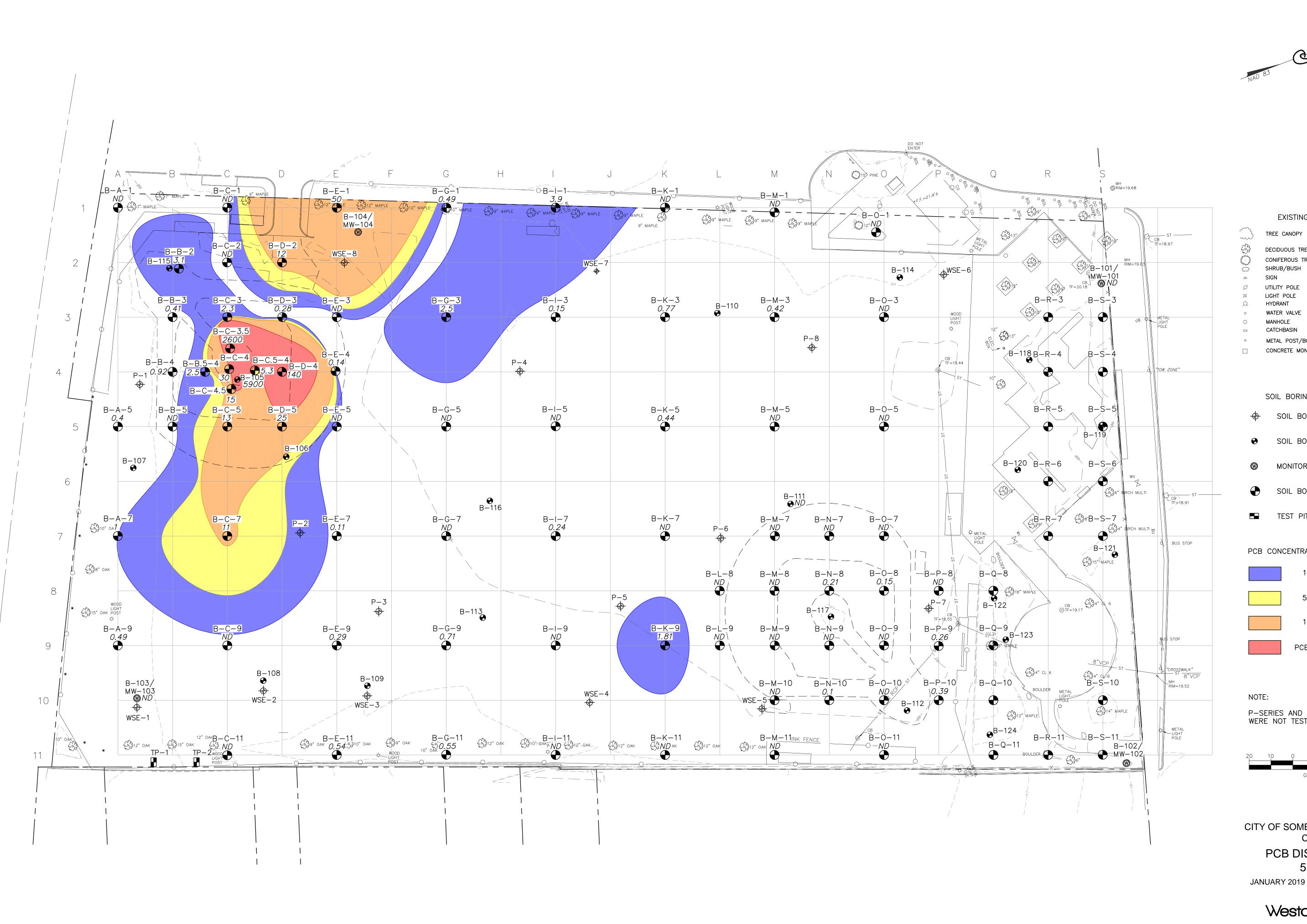
PCB DISTRIBUTION PLAN: 2.5 - 3.5 FEET

SCALE: 1" = 20'





SCALE: 1" = 20'



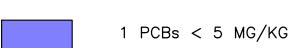


| رسكم | TREE CANOPY | CLF | CHAIN LINKED FENCE |
|-------------------|--------------------|--|------------------------|
| %- | | ——— он ——— | OVERHEAD UTILITY WIRES |
| £33 | DECIDUOUS TREE | G | GAS LINE |
| Som of the second | CONIFEROUS TREE | ——— w ——— | WATER LINE & WATER VAL |
| C) | SHRUB/BUSH | ssss | SANITARY SEWER |
| <u>r</u> | SIGN | ST | STORM SEWER |
| Ø | UTILITY POLE | | CURBING |
| ¤ | LIGHT POLE | ——— UGE ———— | UNDERGROUND ELECTRIC |
| Q | HYDRANT | с | CONDUIT |
| 0 | WATER VALVE | UD | UNDER DRAIN |
| 0 | MANHOLE | UGT | UNDERGROUND TELEPHONI |
| | CATCHBASIN | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | STONE WALL |
| 0 | METAL POST/BOLLARD | | PROPERTY BOUNDARY |
| | CONCRETE MONUMENT | | ELEVATION CONTOUR |
| | | | |

SOIL BORING/MONITORING WELL LEGEND:

- SOIL BORING (OCTOBER/NOVEMBER 2017)
 - SOIL BORING (MARCH 2018)
- MONITORING WELL (MARCH 2018)
- SOIL BORING (JULY 2018)
- TEST PITS (OCTOBER 2017)

PCB CONCENTRATIONS:



5 PCBs < 10 MG/KG





P-SERIES AND WSE-SERIES SOIL BORINGS WERE NOT TESTED FOR PCBs.

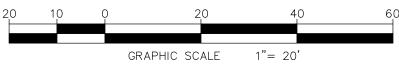
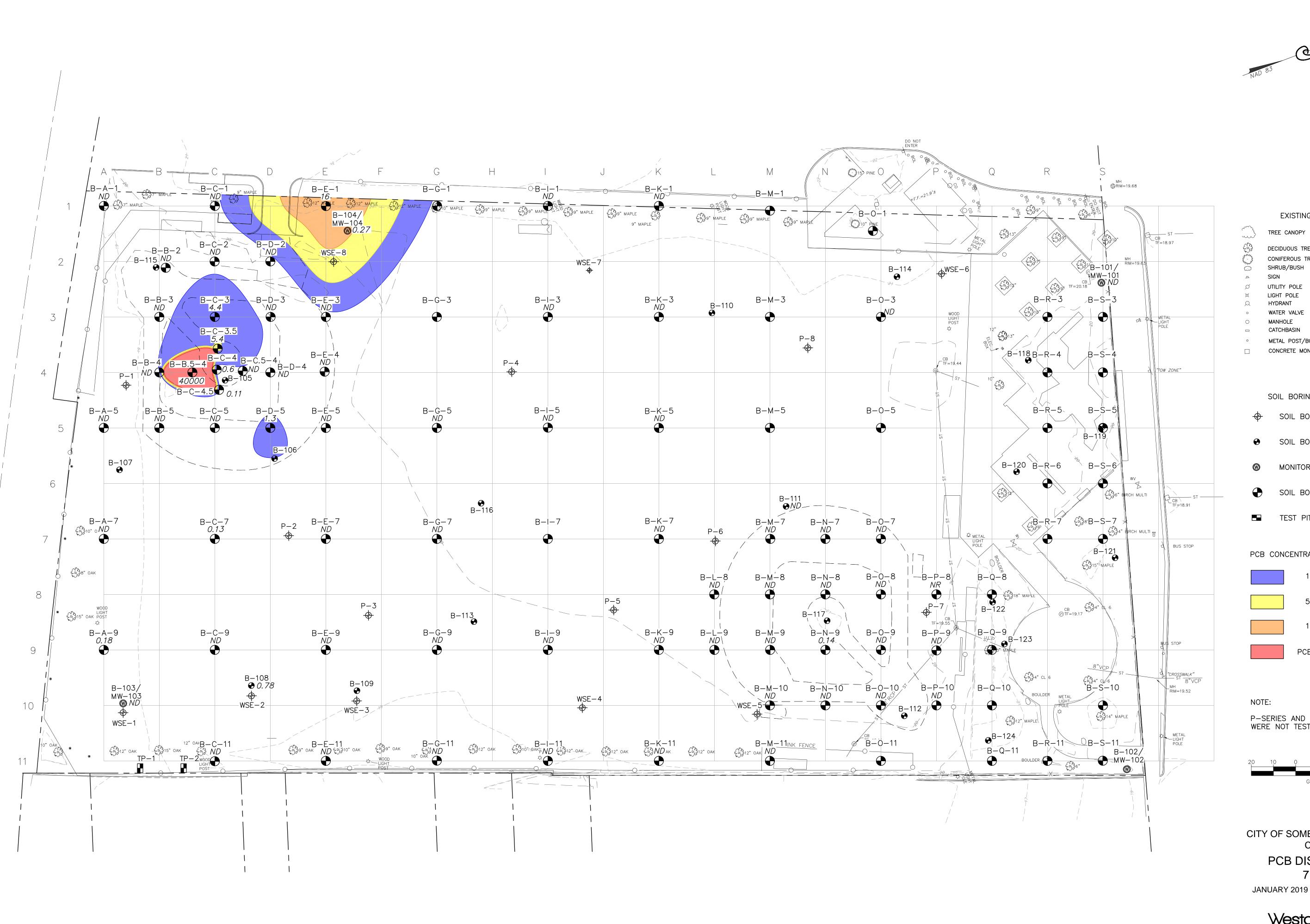


FIGURE 5F CITY OF SOMERVILLE, MASSACHUSETTS **CONWAY PARK**

> PCB DISTRIBUTION PLAN: 5.5 - 7.5 FEET

SCALE: 1" = 20'







| (| ورس | TREE CANOPY | CLF | CHAIN LINKED FENCE |
|---|----------------|--------------------|--------------|------------------------|
| , | ~~ | | ——— он ——— | OVERHEAD UTILITY WIRES |
| | £55 | DECIDUOUS TREE | G | GAS LINE |
| ; | Zymar Zymar | CONIFEROUS TREE | ——— w ——— | WATER LINE & WATER VA |
| | C) | SHRUB/BUSH | ssss | SANITARY SEWER |
| | Ф | SIGN | ST | STORM SEWER |
| | Ø | UTILITY POLE | | CURBING |
| | ¤ | LIGHT POLE | ——— UGE ———— | UNDERGROUND ELECTRIC |
| | Q | HYDRANT | с | CONDUIT |
| | 0 | WATER VALVE | UD | UNDER DRAIN |
| | 0 | MANHOLE | UGT | UNDERGROUND TELEPHON |
| | | CATCHBASIN | | STONE WALL |
| | 0 | METAL POST/BOLLARD | | PROPERTY BOUNDARY |
| | | CONCRETE MONUMENT | | ELEVATION CONTOUR |
| | | | | |

SOIL BORING/MONITORING WELL LEGEND:

- SOIL BORING (OCTOBER/NOVEMBER 2017)
 - SOIL BORING (MARCH 2018)
- MONITORING WELL (MARCH 2018)
- SOIL BORING (JULY 2018)
- TEST PITS (OCTOBER 2017)

PCB CONCENTRATIONS:

1 PCBs < 5 MG/KG

5 PCBs < 10 MG/KG

10 PCBs < 50 MG/KG

PCBs 50 MG/KG

P-SERIES AND WSE-SERIES SOIL BORINGS WERE NOT TESTED FOR PCBs.

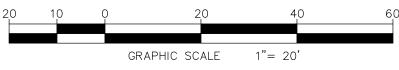


FIGURE 5G CITY OF SOMERVILLE, MASSACHUSETTS **CONWAY PARK**

> PCB DISTRIBUTION PLAN: 7.5 - 9.5 FEET

SCALE: 1" = 20'



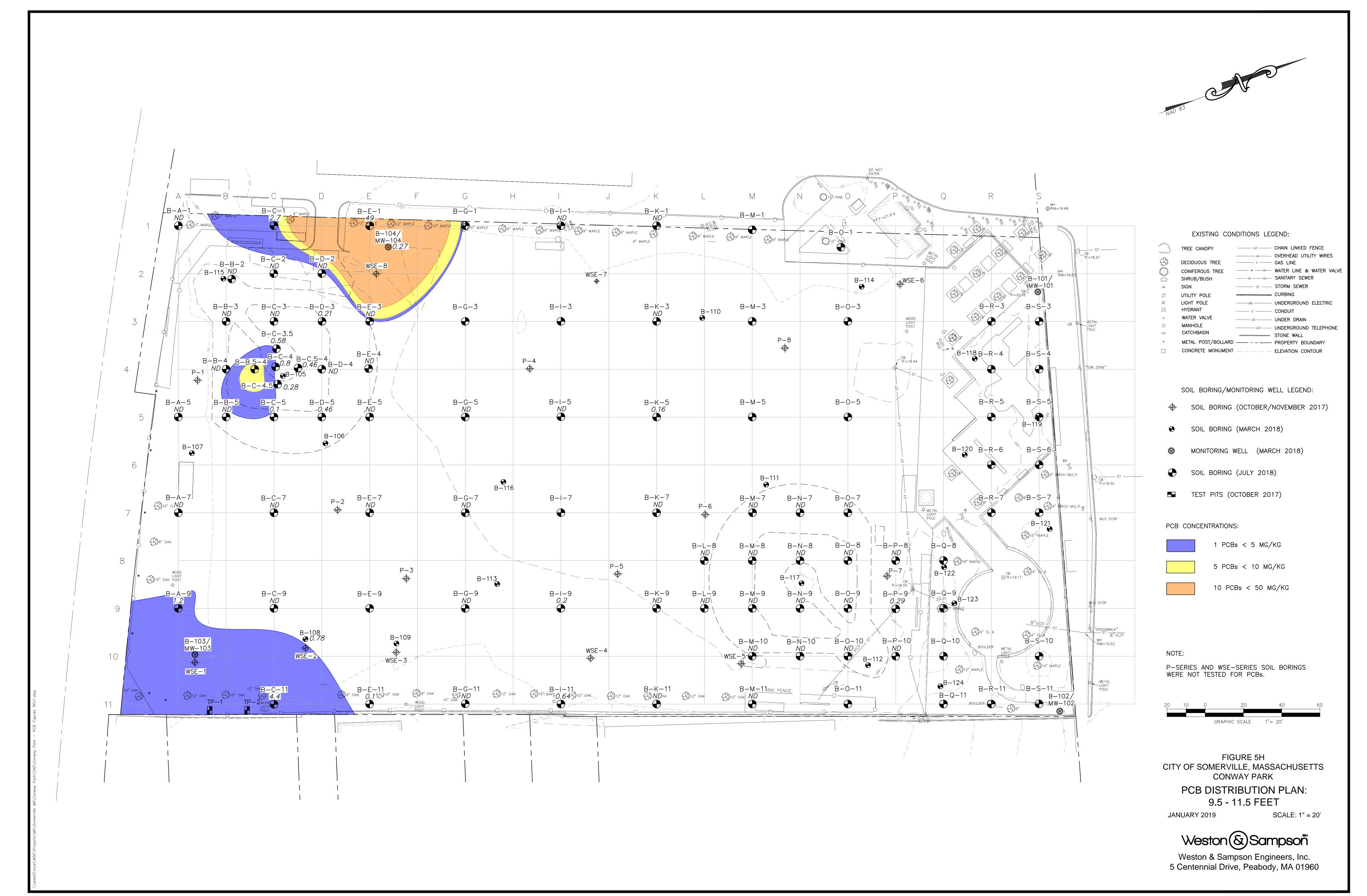




Table 1 Summary of Soil Analytical Results
Initial Investigation
Conway Park Somerville, Massachusetts October - November 2018

| | | Method 1 Stand | Cleanup | | | | Sample Identification | | | | | | | | | | | | | | | | | |
|--------------------------------------|----------------|-------------------|------------|---------------------|----------------|-------------------|-----------------------|------------------|----------------------|----------------|----------------------|----------------|----------------|---------------------|----------------------|-------------------|----------------|----------------|----------------------|--|--------------------|----------------|------------------|----------------|
| Parameter | Units | Starit | Jaius | P. | -1 | P | -2 | P | -3 | | P-4 | | P |)-5 | P | -6 | P. | -7 | Р |)-8 | WSE-1 | WSE-2 | WSE-3 | WSE-8 |
| | | S-1/GW-2 | S-1/GW-3 | 6-8' | 0-2' | 0-2' | 13-15' | 0-2' | 8-10' | 0-2' | DUP (0-2') | 5-7' | 0-2' | 3-5' | 0-2' | 8-10 ¹ | 0-2' | 6-8' | 0-2' | 3-5' | 3-6' | 0-3' | 6-8' | 11-13' |
| | | | | 10/31/2017 | 10/31/2017 | 10/31/2017 | 10/31/2017 | 11/01/2017 | 11/01/2017 | 11/01/2017 | 11/01/2017 | 11/01/2017 | 11/01/2017 | 10/31/2017 | 10/31/2017 | 10/31/2017 | 10/31/2017 | 11/01/2017 | 11/01/2017 | 10/31/2017 | 11/02/2017 | 11/02/2017 | 11/02/2017 | 11/02/2017 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Metals | | 00 | 00 | 4.70 | 0.00 | 0.00 | -0.54 | .0.54 | 0.07 | -0.54 | -0.57 | 0.04 | 4.05 | 4.70 | 4.00 | -0.45 | 0.00 | 0.00 | 10.40 | 07.5 | .0.57 | .0.57 | 0.07 | NIT |
| Antimony | mg/kg | 20 | 20 | 1.78 | 0.66 | 0.86 | < 0.54 | < 0.54 | 3.97 | < 0.54 | < 0.57 | 0.81 | 1.25 | 1.73 | 1.28 | < 0.45 | 2.23 | 8.93 | <0.49 | 67.5 | < 0.57 | < 0.57 | 2.07 | NT NT |
| Arsenic | mg/kg | 20 1000 | 20 1000 | 7.28 | 10.5 47.3 | 7.78 35.1 | <2.71 11.3 | 3.77 32.5 | 11.9 195 | 7.05 15.7 | <2.86 7.47 | 5.75 75.1 | 7.26 40 | 9.39 135 | 8.57 40.2 | 3.05 15.5 | 8.77 50.6 | 8.35 83.3 | 6.57 36.1 | 9.15 134 | 7.25 74.7 | 4.91 30.9 | 6.48 | NT NT |
| Barium Beryllium | mg/kg mg/kg | 90 | 90 | 630 0.24 | 0.44 | 0.33 | 0.18 | 0.38 | 0.24 | 0.24 | 0.15 | 0.12 | 0.32 | 0.3 | 0.36 | 0.18 | 0.32 | 0.38 | 0.38 | 0.23 | 0.34 | 0.33 | 100 0.25 | NT |
| Cadmium | mg/kg | 70 | 70 | 1.56 | < 0.52 | 0.51 | <0.54 | < 0.54 | 2.62 | < 0.54 | < 0.15 | 1.01 | < 0.52 | 1.75 | < 0.57 | < 0.45 | < 0.52 | < 0.62 | < 0.49 | 0.23 | 0.63 | < 0.57 | 1.72 | NT |
| Chromium | mg/kg | 100 | 100 | 15.9 | 18.7 | 19.2 | 7.45 | 10.7 | 23.4 | 8.78 | 6.95 | 10.1 | 11.8 | 13.1 | 14.8 | 7.09 | 15.2 | 364 | 13.3 | 11.3 | 12.2 | 16.6 | 17.3 | NT |
| Lead | mg/kg | 200 | 200 | 1490 | 139 | 121 | 7.84 | 28.9 | 950 | 29.7 | < 5.71 | 1020 | 207 | 846 | 217 | 12.2 | 333 | 115 | 87.8 | 3610 | 194 | 53.6 | 683 | NT |
| Mercury | mg/kg | 20 | 20 | 1.35 | 0.334 | 0.224 | < 0.037 | 0.083 | 0.537 | 0.059 | < 0.03 | 0.418 | 0.428 | 0.462 | 0.326 | 0.118 | 0.523 | < 0.034 | 0.151 | 0.408 | 0.203 | 0.234 | 0.509 | NT |
| Nickel | mg/kg | 600 | 600 | 11 | 13.8 | 12.7 | 7.07 | 14.6 | 14.5 | 6.13 | 6.25 | 13.1 | 13.9 | 37 | 19.2 | 6.42 | 21.9 | 5.45 | 12.5 | 14.5 | 11.4 | 13.7 | 36.4 | NT |
| Selenium | mg/kg | 400 | 400 | 0.73 | < 0.52 | 0.49 | < 0.54 | < 0.54 | 1.32 | < 0.54 | < 0.57 | < 0.55 | < 0.52 | 0.69 | < 0.57 | < 0.45 | < 0.52 | 0.88 | < 0.49 | 0.61 | < 0.57 | < 0.57 | 0.79 | NT |
| Silver | mg/kg | 100 | 100 | 0.51 | 0.55 | < 0.46 | < 0.54 | < 0.54 | <0.68 | < 0.54 | < 0.57 | 0.64 | < 0.52 | 0.62 | < 0.57 | < 0.45 | < 0.52 | < 0.62 | < 0.49 | 0.73 | < 0.57 | < 0.57 | 1 | NT |
| Thallium | mg/kg | 8 | 8 | < 0.47 | < 0.52 | < 0.46 | < 0.54 | < 0.54 | <0.68 | < 0.54 | < 0.57 | < 0.55 | < 0.52 | < 0.52 | < 0.57 | < 0.45 | < 0.52 | < 0.62 | <0.49 | < 0.53 | < 0.57 | < 0.57 | < 0.46 | NT |
| Vanadium | mg/kg | 400 | 400 | 11.3 | 19 | 18.2 | 10.3 | 15.6 | 15.6 | 11 | 9.65 | 12.4 | 22.6 | 16.4 | 21.9 | 9.59 | 24.6 | 8.22 | 17.7 | 13.6 | 16.2 | 15.1 | 13.3 | NT |
| Zinc | mg/kg | 1000 | 1000 | 593 | 163 | 219 | 14.6 | 35.7 | 454 | 40.5 | 19.7 | 67 | 261 | 959 | 269 | 12.5 | 341 | 69.6 | 148 | 198 | 149 | 68.9 | 1680 | NT |
| EDIT | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| EPH C9-C18 Aliphatics | ma/ka | 1000 | 1000 | <33.6 | <37.7 | <35.4 | <19.5 | <17.2 | 186 | <17.7 | <17.3 | <16.6 | <53.1 | <52.5 | <17.8 | <17 | <39.3 | <22.8 | <17.9 | <33 | <51.3 | <34.3 | <37.3 | 182 |
| C19-C36 Aliphatics | mg/kg mg/kg | 3000 | 3000 | 60.2 | <37.7 <37.7 | 38.4 | <19.5 <19.5 | <17.2 | 511 | <17.7 | <17.3 | <16.6 | 251 | 276 | <17.8 | <17 | <39.3 <39.3 | <22.8 | <17.9 <17.9 | 60 | 106 | <34.3 <34.3 | 251 | 29.9 |
| C11-C22 Aromatics | mg/kg | 1000 | 1000 | 159 | 47.3 | 39.3 | <19.5 <19.5 | 17.4 | 438 | <17.7 | <17.3 | 74.5 | 370 | 403 | 61.8 | <17 | 111 | <22.8 | 40.9 | 428 | 325 | 187 | 425 | 96.5 |
| Target PAHs | mg/kg | 1000 | 1000 | 100 | 47.0 | 00.0 | < 15.0 | 17.4 | 400 | <17.7 | <17.0 | 74.0 | 0,0 | 1 400 | 01.0 | < 1 <i>1</i> | ''' | \22.0 | 40.5 | 420 | 025 | '0' | 720 | 30.5 |
| Acenaphthene | mg/kg | 1000 | 1000 | < 0.9 | <1.01 | < 0.94 | < 0.52 | < 0.46 | <1.16 | < 0.47 | < 0.46 | < 0.44 | <1.42 | <1.4 | < 0.47 | < 0.45 | <1.05 | < 0.61 | < 0.48 | 9.85 | 1.42 | < 0.92 | 1.63 | < 0.51 |
| Acenaphthylene | mg/kg | 600 | 10 | < 0.45 | < 0.5 | < 0.47 | < 0.26 | < 0.23 | < 0.58 | < 0.24 | < 0.23 | < 0.22 | < 0.71 | 0.75 | < 0.24 | < 0.23 | < 0.52 | <0.3 | < 0.24 | 0.75 | < 0.68 | 0.48 | 0.84 | < 0.26 |
| Anthracene | mg/kg | 1000 | 1000 | 1.02 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 1.36 | < 0.47 | < 0.46 | 0.75 | <1.42 | <1.4 | 0.56 | < 0.45 | <1.05 | < 0.61 | < 0.48 | 18 | 3.18 | < 0.92 | 4.33 | < 0.51 |
| Benzo(a)anthracene | mg/kg | 7 | 7 | 3.38 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 3.66 | < 0.47 | < 0.46 | 1.4 | 2.5 | 5.76 | 1.51 | < 0.45 | 1.68 | < 0.61 | 0.73 | 26.4 | 6.62 | 3.66 | 12.1 | < 0.51 |
| Benzo(a)pyrene | mg/kg | 2 | 2 | 2.75 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 3.46 | < 0.47 | < 0.46 | 1.12 | 1.76 | 5.34 | 1.55 | < 0.45 | 1.47 | < 0.61 | 0.73 | 18.1 | 4.6 | 2.45 | 7.37 | < 0.51 |
| Benzo(b)fluoranthene | mg/kg | 7 | 7 | 3.95 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 5.18 | < 0.47 | < 0.46 | 1.36 | 2.6 | 7.57 | 2.01 | < 0.45 | 1.83 | < 0.61 | 0.95 | 24.5 | 6.07 | 3.16 | 13 | < 0.51 |
| Benzo(g,h,i)perylene | mg/kg | 1000 | 1000 | 0.94 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 1.78 | < 0.47 | < 0.46 | < 0.44 | <1.42 | 2.97 | 0.98 | < 0.45 | <1.05 | < 0.61 | 0.5 | 2.99 | <1.37 | < 0.92 | 2.14 | < 0.51 |
| Benzo(k)fluoranthene | mg/kg | 70 | 70 | 1.23 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 1.83 | < 0.47 | < 0.46 | < 0.44 | <1.42 | 2.58 | 0.7 | < 0.45 | <1.05 | < 0.61 | <0.48 | 3.87 | 2.13 | 1.06 | 3.54 | < 0.51 |
| Chrysene | mg/kg | 70 | 70 | 3.44 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 4.41 | < 0.47 | < 0.46 | 1.36 | 2.43 | 6.43 | 1.54 | < 0.45 | 1.96 | < 0.61 | 0.76 | 23.9 | 6.61 | 3.31 | 12.1 | <0.51 |
| Dibenzo(a,h)Anthracene | mg/kg | 0.7 | 0.7 | < 0.45 | < 0.5 | < 0.47 | < 0.26 | < 0.23 | < 0.58 | < 0.24 | < 0.23 | <0.22 | < 0.71 | 0.8 | 0.26 | < 0.23 | < 0.52 | < 0.3 | < 0.24 | 1.22 | < 0.68 | < 0.46 | 0.71 | < 0.26 |
| Fluoranthene | mg/kg | 1000 | 1000 | 5.94 | <1.01 | 1.01 | < 0.52 | < 0.46 | 7.91 | < 0.47 | < 0.46 | 2.48 | 4.82 | 11.1 | 2.86 | < 0.45 | 3.61 | < 0.61 | 1.39 | 67.9 | 13.1 | 4.65 | 28.4 | < 0.51 |
| Fluorene Indeno(1,2,3-cd)Pyrene | mg/kg mg/kg | 1000 | 1000 | <0.9 1.18 | <1.01 <1.01 | <0.94 <0.94 | <0.52 <0.52 | <0.46 <0.46 | <1.16 2.22 | <0.47 <0.47 | <0.46 <0.46 | <0.44 <0.44 | <1.42 <1.42 | <1.4 3.61 | <0.47 1.14 | <0.45 <0.45 | <1.05 <1.05 | <0.61 <0.61 | <0.48 0.54 | 7.92 4.54 | 1.45 1.52 | <0.92 <0.92 | 2.44 3.01 | <0.51 <0.51 |
| 2-Methylnaphthalene | mg/kg | 80 | 300 | < 0.45 | < 0.5 | <0.47 | < 0.32 | < 0.40 | 0.68 | <0.47 | < 0.40 | <0.44 | < 0.71 | 0.71 | <0.24 | <0.43 | <0.52 | <0.01 | < 0.24 | 3.07 | < 0.68 | < 0.46 | 0.64 | 1.65 |
| Naphthalene | mg/kg | 20 | 500 | <0.43 | <1.01 | <0.47 | <0.52 | < 0.46 | <1.16 | < 0.47 | < 0.46 | <0.22 | <1.42 | <1.4 | < 0.47 | < 0.45 | <1.05 | <0.61 | <0.48 | 5.08 | <1.37 | <0.40 | < 0.99 | < 0.51 |
| Phenanthrene | mg/kg | 500 | 500 | 4.6 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 4.88 | < 0.47 | < 0.46 | 2.78 | 3.8 | 8.13 | 2.22 | < 0.45 | 3.28 | < 0.61 | 0.89 | 80.7 | 12.3 | 2.59 | 24.5 | 0.7 |
| Pyrene | mg/kg | 1000 | 1000 | 5.55 | <1.01 | < 0.94 | < 0.52 | < 0.46 | 7.51 | < 0.47 | < 0.46 | 2.43 | 4.48 | 10.5 | 2.5 | < 0.45 | 3.86 | < 0.61 | 1.22 | 60.1 | 13.4 | 5.29 | 26.1 | < 0.51 |
| | J. J | | | | | | | | | | | | | | | | | | | | | | | 1 |
| VPH | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| C5-C8 Aliphatics | mg/kg | 100 | 100 | <12.1 | <13.3 | <12.2 | <15 | <12.6 | <18.5 | <12.5 | <42.1 | <17.8 | <12.1 | <13.5 | <13.5 | <12.9 | <15.7 | <19 | <13.2 | <11.4 | <13.2 | <12.8 | <12.8 | <11 |
| C9-C12 Aliphatics | mg/kg | 1000 | 1000 | <12.1 | <13.3 | <12.2 | <15 | <12.6 | <18.5 | <12.5 | <42.1 | <17.8 | <12.1 | <13.5 | <13.5 | <12.9 | <15.7 | <19 | <13.2 | <11.4 | <13.2 | <12.8 | <12.8 | <11 |
| C9-C10 Aromatics | mg/kg | 100 | 100 | <12.1 | <13.3 | <12.2 | <15 | <12.6 | <18.5 | <12.5 | <42.1 | <17.8 | <12.1 | <13.5 | <13.5 | <12.9 | <15.7 | <19 | <13.2 | <11.4 | <13.2 | <12.8 | <12.8 | <11 |
| Target VOCs | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | mg/kg | 40 | 40 | < 0.24 | < 0.27 | < 0.24 | <0.3 | < 0.25 | < 0.37 | < 0.25 | < 0.84 | < 0.36 | < 0.24 | < 0.27 | < 0.27 | < 0.26 | < 0.31 | < 0.38 | < 0.26 | < 0.23 | < 0.26 | < 0.26 | < 0.26 | <0.22 |
| Ethylbenzene Methyl text Dutyl Ether | mg/kg | 500 | 500 | < 0.24 | < 0.27 | < 0.24 | < 0.3 | < 0.25 | < 0.37 | < 0.25 | < 0.84 | < 0.36 | < 0.24 | < 0.27 | < 0.27 | < 0.26 | < 0.31 | < 0.38 | < 0.26 | < 0.23 | < 0.26 | < 0.26 | < 0.26 | <0.22 |
| Methyl tert-Butyl Ether | mg/kg | 100 | 100 | < 0.06 | < 0.07 | <0.06 | < 0.07 | < 0.06 | <0.09 | < 0.06 | < 0.21 | < 0.09 | <0.06 | <0.07 | < 0.07 | < 0.06 | <0.08 | <0.09 | < 0.07 | < 0.06 | < 0.07 | < 0.06 | < 0.06 | < 0.05 |
| Naphthalene Toluene | mg/kg mg/kg | 20 500 | 500 500 | <0.24 <0.24 | <0.27 <0.27 | <0.24 <0.24 | <0.3 <0.3 | <0.25 <0.25 | <0.37 <0.37 | <0.25 <0.25 | <0.84 <0.84 | <0.36 <0.36 | <0.24 <0.24 | <0.27 <0.27 | <0.27 <0.27 | <0.26 <0.26 | <0.31 <0.31 | <0.38 <0.38 | <0.26 <0.26 | 0.43 < 0.23 | 0.43 < 0.26 | <0.26 <0.26 | <0.26 <0.26 | <0.22 <0.22 |
| Total Xylenes | mg/kg mg/kg | 100 | 500 500 | <0.24 | <0.27 <0.53 | < 0.24 | < 0.3 < 0.6 | < 0.25 < 0.51 | <0.37 <0.74 | <0.25 <0.5 | < 0.84 < 1.69 | < 0.36 | < 0.24 | <0.27 | < 0.27 | < 0.26 < 0.52 | < 0.63 | <0.38 | < 0.26 | < 0.23 | < 0.26 | < 0.26 | < 0.26 < 0.51 | <0.22 |
| TOTAL AYIONGS | mg/kg | 100 | 500 | \U. 4 0 | ~∪.∪ ∂ | \U. 48 | \ \0.0 | ~ 0.01 | \U.14 | \U.J | <1.0 3 | \U.I I | \U.40 | \U.J4 | ~ 0.04 | ∖∪. J∠ | \0.03 | \U.1U | \U.JJ | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | \0.00 | \0.51 | \U.J1 | \U.44 |
| VOCs | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 2-Butanone | mg/kg | 50 | 400 | < 0.011 | < 0.0106 | < 0.0101 | < 0.0124 | < 0.0115 | 0.0145 | <0.008 | < 0.0094 | < 0.0089 | <0.0115 | < 0.0131 | < 0.0105 | <0.0098 | < 0.0103 | <0.0108 | < 0.0116 | < 0.007 | < 0.0121 | < 0.0079 | < 0.0113 | NT |
| Acetone | mg/kg | 50 | 400 | < 0.011 | < 0.0106 | <0.0101 | 0.0166 | < 0.0115 | 0.142 | <0.008 | 0.0133 | <0.0089 | < 0.0115 | < 0.0131 | < 0.0105 | <0.0098 | < 0.0103 | <0.0108 | < 0.0116 | < 0.007 | < 0.0121 | < 0.0079 | 0.0163 | NT |
| Naphthalene | mg/kg | 20 | 500 | < 0.0055 | < 0.0053 | < 0.0051 | < 0.0062 | < 0.0058 | < 0.0044 | < 0.004 | < 0.0047 | < 0.0045 | < 0.0057 | < 0.0065 | < 0.0053 | < 0.0049 | < 0.0052 | < 0.0054 | <0.0058 | < 0.0035 | 0.0126 | < 0.0039 | < 0.0056 | NT |

Abbreviations:

NT = Not Tested mg/kg = milligram per kilogram

VPH = Volatile Petroleum Hydrocarbons

VOCs = Volatile Organic Compounds

EPH = Extractable Petroleum Hydrocarbons PAHs = Polycyclic Aromatic Hydrocarbons

Notes:

< = indicates parameter not detected above laboratory method reporting limit, shown

BOLD Parameter detected above laboratory detection limit

BOLD Parameter equal to or exceeds the applicable standard.

Standards are from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

Table 2 Summary of Soil Analytical Results - Disposal Characterization Conway Park Somerville, Massachusetts November 2017

| Parameter | Unit | Repo Concentrat | | COMM 9 ⁻ Disposal/Re | 7 In-State euse Levels | Sample Identification |
|--|----------------|--------------------|---------|------------------------------------|---------------------------|--|
| | | RCS-1 | RCS-2 | Unlined | Lined | Disposal Characterization 11/2/2017 |
| Metals | | | | | | 11/2/2017 |
| ANITMONY | mg/kg | 20 | 30 | NS | NS | 1.15 |
| ARSENIC | mg/kg | 20 | 20 | 40 | 40 | 7.11 |
| BARIUM | mg/kg | 1000 | 3000 | NS | NS | 30.2 |
| BERYLLIUM | mg/kg | 90 | 200 | NS | NS | 0.34 |
| CADMIUM | mg/kg | 70 | 100 | 30 | 80 | <0.6 |
| CHROMIUM | mg/kg | 100 | 200 | 1000 | 1000 | 14.1 |
| LEAD | mg/kg | 200 | 600 | 1000 | 2000 | 73.8 |
| MERCURY | mg/kg | 20 | 30 | 10 | 10 | 0.151 |
| NICKEL | mg/kg | 600 | 1000 | NS | NS | 10.3 |
| SELENIUM | mg/kg | 400 | 700 | NS | NS | <0.6 |
| SILVER | mg/kg | 100 | 200 | NS | NS | <0.6 |
| THALLIUM | mg/kg | 8 | 60 | NS | NS | <0.6 |
| VANADIUM | mg/kg | 400 | 700 | NS | NS | 15.6 |
| ZINC | mg/kg | 1000 | 3000 | NS | NS | 95 |
| Polychlorinated Biphenyls (PCBs) | | | | | | |
| PCB 1016 | mg/kg | 1 | 4 | 2 | 2 | <0.06 |
| PCB 1221 | mg/kg | 1 | 4 | 2 | 2 | <0.06 |
| PCB 1232 | mg/kg | 1 | 4 | 2 | 2 | <0.06 |
| PCB 1242 | mg/kg | 1 | 4 | 2 | 2 | <0.06 |
| PCB 1248 | mg/kg | 1 | 4 | 2 | 2 | <0.06 |
| PCB 1254 | mg/kg | 1 | 4 | 2 | 2 | 8.7 |
| PCB 1260 | mg/kg | 1 | 4 | 2 | 2 | <0.06 |
| PCB 1262 | mg/kg | 1 | 4 | 2 | 2 | <0.06 |
| PCB 1268 | mg/kg | 1 | 4 | 2 2 | 2 2 | <0.06 |
| Total PCBs | mg/kg | 1 | 4 | 2 | 2 | 8.7 |
| Total Petroleum Hydrocarbons | ,, | 4000 | | 0=00 | | |
| TPH | mg/kg | 1000 | 3000 | 2500 | 5000 | 267 |
| Semivolatile Organic Compounds (SVOCs) | | , | 40 | NO | NO | 4.05 |
| ACENAPHTHYLENE ANTHRACENE | mg/kg | 1 | 10 | NS NC | NS NC | 1.05 |
| | mg/kg | 1000 | 3000 | NS NC | NS NS | 2.43 |
| BENZO(A)ANTHRACENE | mg/kg | 7 | 40 7 | NS NS | NS NS | 8.62 7.49 |
| BENZO(A)PYRENE BENZO(B)FLUORANTHENE | mg/kg | 2 7 | 7 40 | NS NS | NS NS | 7. 49 6.19 |
| BENZO(B)FLOORANTHENE BENZO(G,H,I)PERYLENE | mg/kg mg/kg | 1000 | 3000 | NS NS | NS NS | 6.19 2.6 |
| BENZO(G,H,I)PERTLENE BENZO(K)FLUORANTHENE | mg/kg | 70 | 400 | NS NS | NS NS | 6.37 |
| CHRYSENE | mg/kg | 70 70 | 400 | NS NS | NS NS | 7.71 |
| DIBENZ(A,H)ANTHRACENE | mg/kg | 0.7 | 400 | NS NS | NS NS | 1.62 |
| DIBENZOFURAN | mg/kg | 100 | 1000 | NS NS | NS NS | 0.612 |
| FLUORANTHENE | mg/kg | 1000 | 3000 | NS NS | NS NS | 13.4 |
| FLUORENE | mg/kg | 1000 | 3000 | NS | NS | 0.862 |
| INDENO(1,2,3-CD)PYRENE | mg/kg | 7 | 40 | NS | NS | 2.5 |
| NAPHTHALENE | mg/kg | 4 | 20 | NS | NS | 0.502 |
| PHENANTHRENE | mg/kg | 10 | 1000 | NS | NS | 7.63 |
| PYRENE | mg/kg | 1000 | 3000 | NS | NS | 9.02 |
| Total SVOCs | mg/kg | NS | NS | 100 | 100 | 78.6 |
| General Chemistry | | | | | | |
| SPECIFIC CONDUCTANCE | umhos/cm | NS | NS | 4000 | 8000 | 311 |
| IGNITABILITY | no unit | NS | NS | Absent | Absent | Absent |
| REACTIVE CYANIDE | mg/kg | NS | NS | None | None | <2 |
| REACTIVE SULFIDE | mg/kg | NS | NS | None | None | <2 |
| рН | pH units | NS | NS | >2 and <12 | >2 and <12 | 7.72 |

Abbreviations:

mg/kg = milligrams per kilogram μmhos/cm = micromhos per cm NS = No Standard VPH = Volatile Petroleum Hydrocarbons

Notes:

BOLD Parameter detected above laboratory detection limitBOLD Parameter equal to or exceeds the applicable standard.

< = indicates parameter not detected above laboratory method reporting limit, shown RCs are from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

Table 3A Summary of Soil Analytical Results Supplemental Borings - Playground Conway Park Somerville, Massachusetts March 2018

| | | Meth | | Sample Identification | | | | | | | |
|------------------------|---------------|-----------|-----------|-----------------------|----------------|----------|----------------|--|--|--|--|
| Danamatan | I Indian | Cleanup S | Standards | D4 | <u> </u> | | 00 | | | | |
| Parameter | Units | 0.4/0/4/0 | 0.4/0/4/0 | (0.00) | | B1 | | | | | |
| | | S-1/GW-2 | S-1/GW-3 | (0-3') | (6-9') | (0-3') | (3-6') | | | | |
| | | | | 3/7/2018 | 3/7/2018 | 3/7/2018 | 3/7/2018 | | | | |
| Metals | | | | | | | | | | | |
| Antimony | mg/kg | 20 | 20 | <2.0 | <2.0 | <1.9 | <1.9 | | | | |
| Arsenic | mg/kg | 20 | 20 | 2.8 | <2.0 | 2.8 | <1.9 | | | | |
| Barium | mg/kg | 1000 | 1000 | 35 | 15 | 34 | 22 | | | | |
| Beryllium | mg/kg | 90 | 90 | < 0.20 | < 0.20 | < 0.19 | < 0.19 | | | | |
| Cadmium | mg/kg | 70 | 70 | 0.3 | < 0.20 | 0.55 | < 0.19 | | | | |
| Chromium | mg/kg | 100 | 100 | 13 | 10 | 11 | 14 | | | | |
| Lead | | 200 | 200 | 66 | 4.2 | 33 | 50 | | | | |
| | mg/kg | | | | | | | | | | |
| Mercury Niekal | mg/kg | 20 | 20 | 0.13 | < 0.028 | 0.086 | 0.11 | | | | |
| Nickel | mg/kg | 600 | 600 | 11 | 8.2 | 9 | 8.9 | | | | |
| Vanadium | mg/kg | 400 | 400 | 19 | 16 | 17 | 20 | | | | |
| Zinc | mg/kg | 1000 | 1000 | 140 | 35 | 210 | 28 | | | | |
| EDIT | | | | | | | | | | | |
| EPH | ,, | 4000 | 4000 | | 4.0 | | | | | | |
| C9-C18 Aliphatics | mg/kg | 1000 | 1000 | <11 | <12 | <11 | <11 | | | | |
| C19-C36 Aliphatics | mg/kg | 3000 | 3000 | <11 | <12 | 17 | <11 | | | | |
| C11-C22 Aromatics | mg/kg | 1000 | 1000 | 49 | <12 | 29 | <11 | | | | |
| Target PAHs | | | | | | | | | | | |
| Acenaphthene | mg/kg | 1000 | 1000 | 0.19 | < 0.12 | < 0.11 | < 0.11 | | | | |
| Acenaphthylene | mg/kg | 600 | 10 | < 0.11 | < 0.12 | <0.11 | < 0.11 | | | | |
| Anthracene | mg/kg | 1000 | 1000 | 0.54 | < 0.12 | <0.11 | < 0.11 | | | | |
| Benzo(a)anthracene | mg/kg | 7 | 7 | 1.7 | < 0.12 | 0.61 | <0.11 | | | | |
| Benzo(a)pyrene | | 2 | 2 | 1.7 | <0.12 | 0.9 | <0.11 | | | | |
| | mg/kg | 7 | 7 | 2.2 | <0.12 | 0.9 | <0.11 | | | | |
| Benzo(b)fluoranthene | mg/kg | 1000 | 1000 | | <0.12 <0.12 | • | <0.11 <0.11 | | | | |
| Benzo(g,h,i)perylene | mg/kg | | | 1.3 | | 0.56 | | | | | |
| Benzo(k)fluoranthene | mg/kg | 70 70 | 70 70 | 0.74 | < 0.12 | 0.36 | < 0.11 | | | | |
| Chrysene | mg/kg | 70 | 70 | 2.1 | < 0.12 | 0.83 | < 0.11 | | | | |
| Dibenz(a,h)anthracene | mg/kg | 0.7 | 0.7 | 0.29 | < 0.12 | < 0.11 | < 0.11 | | | | |
| Fluoranthene | mg/kg | 1000 | 1000 | 4.2 | < 0.12 | 1.3 | < 0.11 | | | | |
| Fluorene | mg/kg | 1000 | 1000 | 0.22 | < 0.12 | < 0.11 | < 0.11 | | | | |
| Indeno(1,2,3-cd)pyrene | mg/kg | 7 | 7 | 1.2 | < 0.12 | 0.54 | < 0.11 | | | | |
| 2-Methylnaphthalene | mg/kg | 80 | 300 | < 0.11 | < 0.12 | < 0.11 | < 0.11 | | | | |
| Naphthalene | mg/kg | 20 | 500 | < 0.11 | < 0.12 | < 0.11 | < 0.11 | | | | |
| Phenanthrene | mg/kg | 500 | 500 | 3.4 | < 0.12 | 0.65 | < 0.11 | | | | |
| Pyrene | mg/kg | 1000 | 1000 | 4.6 | < 0.12 | 1.4 | < 0.11 | | | | |
| DOD ₀ | | | | | | | | | | | |
| PCBs | po e: /l · -: | 4 | 4 | 0.04 | <0.000 | N I T | N I T | | | | |
| Aroclor-1254 | mg/kg | 1 | 1 | 0.21 | <0.089 | NT | NT | | | | |

Abbreviations:

mg/kg = milligram per killiogram NT = Not Tested

VPH = Volatile Petroleum Hydrocarbons VOCs = Volatile Organic Compounds

Notes:

< = indicates parameter not detected above laboratory method reporting limit, shown

BOLD Parameter detected above laboratory detection limit

BOLD Parameter equal to or exceeds the applicable standard.

Table 3B Summary of Soil Analytical Results Supplemental Borings -Ballfield Conway Park Somerville, Massachusetts March 2018

| | Links | Meth Cleanup S | | Sample Identification | | | | | | | | | | | |
|----------------------|-----------------|-------------------|----------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parameter | Parameter Units | | | B103 | | B104 | | B105 | | B106 | | B107 | | B108 | |
| | | S-1/GW-2 | S-1/GW-3 | (0-3') | (6-9') | (0-3') | (9-12') | (0-3') | (3-6') | (0-3') | (3-6') | (0-3') | (6-9') | (0-3') | (9-12') |
| | | | | 3/6/2018 | 3/6/2018 | 3/7/2018 | 3/7/2018 | 3/6/2018 | 3/6/2018 | 3/7/2018 | 3/7/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 |
| Metals Lead | mg/kg | 200 | 200 | 64 | 120 | 110 | 60 | 63 | 390 | 17 | 960 | 200 | 770 | 91 | 87 |
| PCBs Aroclor-1254 | mg/kg | 1 | 1 | 6.3 | <0.093 | 7.1 | 0.27 | 4.8 | 5900 | NT | NT | NT | NT | 8.3 | 0.78 |

| | | Meth Cleanup S | nod 1 Standards | Sample Identification | | | | | | | | | | | |
|-----------------------|---------------|-------------------|--------------------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Parameter | rameter Units | | | B109 | | B110 | | B111 | | B112 | | B1 | 13 | B114 | |
| | | S-1/GW-2 | S-1/GW-3 | (0-3') | (12-15') | (0-3') | (3-6') | (0-3') | (6-9') | (0-3') | (9-12') | (0-3') | (3-6') | (0-3') | (12-15') |
| | | | | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 | 3/6/2018 |
| Metals Lead | mg/kg | 200 | 200 | 61 | 13 | 250 | 510 | 18 | 190 | 4.3 | 64 | 72 | 700 | 44 | 2.5 |
| PCBs Aroclor-1254 | mg/kg | 1 | 1 | 5.8 | 0.22 | NT | NT | 2.7 | <0.097 | NT | NT | NT | NT | <0.089 | <0.090 |

Abbreviations:

mg/kg = milligram per kilogram NT = Not Tested

Notes:

< = indicates parameter not detected above laboratory method reporting limit, shown

BOLD Parameter detected above laboratory detection limit

BOLD Parameter equal to or exceeds the applicable standard.

Table 4A Summary of Soil Analytical Results Additional Surficial Sampling Conway Park - Playground Somerville, Massachusetts March 2018

| | | Method 1 Cleanup Standards | | Sample Identification | | | | | | | |
|-----------------------|-------|----------------------------|----------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Parameter | Units | | | B101* | B102 | B118 | B120* | B121 | B122 | B123 | B124 |
| | | S-1/GW-2 | S-1/GW-3 | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') |
| | | | | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 |
| Metals Lead | mg/kg | 200 | 200 | NT | NT | 160 | NT | 72 | 60 | 98 | 74 |
| PCBs Aroclor -1254 | mg/kg | 1 | 1 | <0.33 | 1.1 | <0.089 | <0.14 | 0.48 | 0.10 | 1.9 | 0.20 |

Abbreviations:

mg/kg = milligram per kilogram NT=Not Tested

Notes:

< = indicates parameter not detected above laboratory method reporting limit, shown

BOLD Parameter detected above laboratory detection limit

BOLD Parameter equal to or exceeds the applicable standard.

^{*} Mulch Sample

Table 4B Summary of Soil Analytical Results Additional Surficial Sampling Conway Park - Ballfield Somerville, Massachusetts March 2018

| | | Method 1 Clea | nup Standards | Sample Identification | | | | | | |
|-----------------------|-------|---------------|---------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Parameter | Units | | | B103 | B104 | B105 | B106 | B108 | B109 | B110 |
| | | S-1/GW-2 | S-1/GW-3 | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') |
| | | | | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 |
| Metals Lead | mg/kg | 200 | 200 | 100 | 110 | 96 | 3.8 | 130 | 130 | 13 |
| PCBs Aroclor-1254 | mg/kg | 1 | 1 | 2.8 | 14 | 6.3 | <0.088 | 6.6 | 6.4 | 0.14 |

| | | Method 1 Clea | nup Standards | Sample Identification | | | | | | |
|-----------------------|-------|---------------|---------------|-----------------------|-----------|-----------|-----------|-----------|-----------|--|
| Parameter | Units | | | B111 | B112 | B113 | B115 | B116 | B117 | |
| | | S-1/GW-2 | S-1/GW-3 | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') | (0-1') | |
| | | | | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | 3/26/2018 | |
| Metals Lead | mg/kg | 200 | 200 | 160 | 6.3 | 79 | 160 | 15 | 120 | |
| PCBs Aroclor-1254 | mg/kg | 1 | 1 | 14 | <0.086 | 7.8 | 6.1 | 0.20 | 2.8 | |

Abbreviations:

Notes:

mg/kg = milligram per kilogram NT=Not Tested

< = indicates parameter not detected above laboratory method reporting limit, shown

BOLD Parameter detected above laboratory detection limit

BOLD Parameter equal to or exceeds the applicable standard.

Table 5 Summary of Groundwater Analytical Results Conway Park Somerville, Massachusetts March 2018

| Parameter | Units | | P - Method 1 Cleanup Standards Sample Identification | | | | | | | | |
|--------------------|-----------|--------|---|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| | | GW-2 | GW-3 | MW-101 | | MW | -102 | MW | -103 | MW | -104 |
| | | GW-2 | GW-3 | 3/15/2018 | 11/21/2018 | 3/15/2018 | 11/21/2018 | 3/15/2018 | 11/21/2018 | 3/15/2018 | 11/21/2018 |
| EPH Fractions | | | | | | | | | | | |
| C9-C18 ALIPHATICS | μg/L | 5,000 | 50,000 | <96 | NT | <96 | NT | <96 | NT | <96 | NT |
| C19-C36 ALIPHATICS | μg/L | NS | 50,000 | <96 | NT | <96 | NT | <96 | NT | <96 | NT |
| C11-C22 AROMATICS | μg/L | 50,000 | 5,000 | <96 | NT | <96 | NT | <96 | NT | 720 | NT |
| Target PAHs | | | | | | | | | | | |
| ACENAPHTHENE | μ g/L | NS | 10,000 | <1.9 | NT | <1.9 | NT | <1.9 | NT | 5.9 | NT |
| FLUORENE | μg/L | NS | 40 | <1.9 | NT | <1.9 | NT | <1.9 | NT | 9.7 | NT |
| NAPHTHALENE | μg/L | 700 | 20,000 | <1.9 | NT | < 1.9 | NT | 2.2 | NT | 12 | NT |
| PHENANTHRENE | μg/L | NS | 10,000 | <1.9 | NT | <1.9 | NT | <1.9 | NT | 6.4 | NT |
| VOCs | | | | | | | | | | | |
| ISOPROPYLBENZENE | μg/L | NS | NS | <1.0 | NT | <1.0 | NT | <1.0 | NT | 4.6 | NT |
| NAPHTHALENE | μg/L | 700 | 20.000 | <2.0 | NT | <2.0 | NT | 3.2 | NT | <2.0 | NT |
| N-BUTYLBENZENE | μg/L | NS | NS NS | <1.0 | NT | <1.0 | NT | <1.0 | NT | 5.5 | NT |
| N-PROPYLBENZENE | μg/L | NS | NS | <1.0 | NT | <1.0 | NT | <1.0 | NT | 6.2 | NT |
| SEC-BUTYLBENZENE | μg/L | NS | NS | <1.0 | NT | <1.0 | NT | <1.0 | NT | 4.2 | NT |
| TERT-BUTYLBENZENE | μg/L | NS | NS | <1.0 | NT | <1.0 | NT | <1.0 | NT | 1.2 | NT |
| Dissolved Metals | | | | | | | | | | | |
| ARSENIC | μα/L | NS | 900 | <2.0 | NT | <2.0 | NT | <2.0 | NT | 13 | NT |
| BARIUM | μg/L | NS | 50.000 | 77 | NT | 76 | NT | 130 | NT | 87 | NT |
| ZINC | μg/L | NS | 900 | <50 | NT | <50 | NT | 130 | NT | 210 | NT |
| PCBs | | | | | | | | | | | |
| Aroclor-1016 | μg/L | 1 | 1 | NT | < 0.19 | NT | < 0.20 | NT | < 0.19 | NT | < 0.20 |
| Aroclor-1221 | μg/L | 1 | 1 | NT | < 0.19 | NT | < 0.20 | NT | < 0.19 | NT | < 0.20 |
| Aroclor-1232 | μg/L | 1 | 1 | NT | < 0.19 | NT | < 0.20 | NT | < 0.19 | NT | < 0.20 |
| Aroclor-1242 | μg/L | 1 | 1 | NT | < 0.19 | NT | < 0.20 | NT | < 0.19 | NT | < 0.20 |
| Aroclor-1248 | μg/L | 1 | 1 | NT | < 0.19 | NT | < 0.20 | NT | < 0.19 | NT | < 0.20 |
| Aroclor-1254 | μg/L | 1 | 1 | NT | < 0.19 | NT | < 0.20 | NT | < 0.19 | NT | < 0.20 |
| Aroclor-1260 | μg/L | 1 | 1 | NT | < 0.19 | NT | < 0.20 | NT | < 0.19 | NT | < 0.20 |
| Aroclor-1262 | μg/L | 1 | 1 | NT | < 0.19 | NT | < 0.20 | NT | < 0.19 | NT | <0.20 |
| Aroclor-1268 | μg/L | 1 | 1 | NT | <0.19 | NT | <0.20 | NT | <0.19 | NT | <0.20 |
| 7 100101 1200 | μg/L | i ' | | INI | ~0.13 | INI | ~0.20 | 141 | ~0.13 | 141 | ~0.20 |

Abbreviations:

ug/L = micrograms per Liter NS=No Standard NT=Not Tested

BOLD Parameter detected above laboratory reporting limit.

BOLD Parameter equal to or exceeds the applicable RCGW-2 standard.

< = indicates parameter not detected above laboratory method reporting limit, shown.</p> Standards from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

Table 6
Summary of Concrete Analytical Results - Playground
Conway Park
Somerville, Massachusetts

| Dozomotor | Linita | Sample Identification | | | | | | | | |
|--------------|--------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
| Parameter | Units | CS-1 | CS-2 | CS-3 | CS-4 | CS-5 | CS-6 | CS-7 | | |
| | | 0-0.5" | 0-0.5" | 0-0.5" | 0-0.5" | 0-0.5" | 0-0.5" | 0-0.5" | | |
| | | 7/31/2018 | 7/31/2018 | 7/31/2018 | 7/31/2018 | 7/31/2018 | 7/31/2018 | 7/31/2018 | | |
| PCBs | | | | | | | | | | |
| Aroclor-1016 | mg/Kg | < 0.084 | < 0.095 | < 0.088 | < 0.079 | < 0.090 | < 0.096 | < 0.090 | | |
| Aroclor-1221 | mg/Kg | < 0.084 | < 0.095 | < 0.088 | < 0.079 | < 0.090 | < 0.096 | < 0.090 | | |
| Aroclor-1232 | mg/Kg | < 0.084 | < 0.095 | < 0.088 | < 0.079 | < 0.090 | < 0.096 | < 0.090 | | |
| Aroclor-1242 | mg/Kg | < 0.084 | < 0.095 | < 0.088 | < 0.079 | < 0.090 | < 0.096 | < 0.090 | | |
| Aroclor-1248 | mg/Kg | < 0.084 | < 0.095 | < 0.088 | < 0.079 | < 0.090 | < 0.096 | < 0.090 | | |
| Aroclor-1254 | mg/Kg | < 0.084 | < 0.095 | < 0.088 | < 0.079 | < 0.090 | < 0.096 | < 0.090 | | |
| Aroclor-1260 | mg/Kg | < 0.084 | < 0.095 | < 0.088 | < 0.079 | < 0.090 | < 0.096 | < 0.090 | | |
| Aroclor-1262 | mg/Kg | < 0.084 | < 0.095 | < 0.088 | < 0.079 | < 0.090 | < 0.096 | < 0.090 | | |
| Aroclor-1268 | mg/Kg | <0.084 | < 0.095 | <0.088 | <0.079 | <0.090 | <0.096 | <0.090 | | |
| Total PCBs | mg/Kg | <0.084 | < 0.095 | <0.088 | < 0.079 | < 0.090 | <0.096 | <0.090 | | |

Notes/Abbreviations:

< = indicates parameter not detected above laboratory method reporting limit, shown mg/kg = milligram per killiogram

Table 7A Summary of Soil Analytical Results- PCBs Playground Conway Park Somerville, Massachusetts July 2018

| Sample Locations | Depth (ft) | Units | Total PCBs |
|------------------|------------|-------|------------|
| | 0-0.5 | mg/kg | ND |
| D 0 0 | 0.5-1.5 | mg/kg | ND |
| B-Q-8 | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| B-Q-9 | 0.5-1.5 | mg/kg | ND |
| ם-ע-פ | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | 0.38 |
| | 0-0.5 | mg/kg | 1.9 |
| B-Q-10 | 0.5-1.5 | mg/kg | ND |
| D-Q-10 | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | 0.79 |
| | 0-0.5 | mg/kg | ND |
| B-Q-11 | 0.5-1.5 | mg/kg | 1.8 |
| | 1.5-2.5 | mg/kg | 0.15 |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| B-R-3 | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| B-R-4 | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| B-R-5 | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| B-R-6 | 0.5-1.5 | mg/kg | 0.11 |
| | 1.5-2.5 | mg/kg | 0.1 |
| | 2.5-3.5 | mg/kg | 0.13 |
| | 0-0.5 | mg/kg | ND |
| B-R-7 | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | 0.46 |
| | 2.5-3.5 | mg/kg | 0.16 |

| Sample Locations | Depth (ft) | Units | Total PCBs |
|------------------|--------------------|-------|-------------------|
| | 0-0.5 | mg/kg | 0.23 |
| B-R-11 | 0.5-1.5 | mg/kg | ND |
| D-N-11 | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| B-S-3 | 0.5-1.5 | mg/kg | ND |
| D-0-0 | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| B-S-4 | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| B-S-5 | 0.5-1.5 | mg/kg | 0.14 |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 2.6 |
| B-S-6 | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 2.5 |
| B-S-7 | 0.5-1.5 | mg/kg | 0.14 |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 5.1 |
| B-S-10 | 0.5-1.5 | mg/kg | 0.26 |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND 4.5 |
| | 0-0.5 | mg/kg | 4.5 |
| B-S-11 | 0.5-1.5 | mg/kg | 0.18 ND |
| | 1.5-2.5 2.5-3.5 | mg/kg | ND ND |
| | 2.5-3.5 | mg/kg | טאו |

Abbreviations:

mg/kg = milligram per killiogramNT = Not TestedND = Not Detected Notes:

BOLD Parameter detected above laboratory detection limit

BOLD Parameter equal to or exceeds 1 mg/kg (MCP Method 1 Standard; TSCA HO Standard)

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|--------------------|-------|------------|
| | 0-0.5 | mg/kg | 6.5 |
| | 0.5-1.5 | mg/kg | 9.5 |
| | 1.5-2.5 | mg/kg | 3.5 |
| | 2.5-3.5 | mg/kg | 26 |
| | 3.5-5.5 | mg/kg | 7.4 |
| B-A-1 | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 13.5-15.5 | mg/kg | ND |
| | 15.5-17.5 | mg/kg | 4.3 |
| | 17.5-19.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 1.5 |
| | DUP-1 | mg/kg | 2.2 |
| | 0.5-1.5 | mg/kg | 3.1 |
| | 1.5-2.5 | mg/kg | 1 |
| | 2.5-3.5 | mg/kg | 0.78 |
| B-A-5 | DUP-8 | mg/kg | 1 |
| | 3.5-5.5 | mg/kg | 1.9 |
| | 5.5-7.5 | mg/kg | 0.4 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 2.4 |
| | DUP-9 | mg/kg | 2.6 |
| | 0.5-1.5 | mg/kg | 0.2 |
| | 1.5-2.5 | mg/kg | 1.9 |
| D 4 7 | 2.5-3.5 | mg/kg | 0.661 |
| B-A-7 | 3.5-5.5 | mg/kg | 0.45 |
| | 5.5-7.5 | mg/kg | 1 |
| | 7.5-9.5 | mg/kg | ND ND |
| | 9.5-11.5 | mg/kg | |
| | 11.5-13.5 | mg/kg | ND |
| | 13.5-15.5 | mg/kg | ND 4 |
| | 0-0.5 | mg/kg | 3.3 |
| | DUP-10 | mg/kg | 3.3 |
| | 0.5-1.5 | mg/kg | 2.1 |
| | 1.5-2.5 | mg/kg | 4.3 |
| B-A-9 | 2.5-3.5 | mg/kg | 2.4 |
| | 3.5-5.5 | mg/kg | 0.49 |
| | 5.5-7.5 7.5-9.5 | mg/kg | 0.49 |
| | 9.5-11.5 | mg/kg | 1.2 |
| | | mg/kg | ND |
| | 11.5-13.5 | mg/kg | טאו |

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| | 0-0.5 | mg/kg | 2.8 |
| | DUP-5 | mg/kg | 1.9 |
| | 0.5-1.5 | mg/kg | 74 |
| | 1.5-2.5 | mg/kg | 13 |
| | 2.5-3.5 | mg/kg | 0.64 |
| B-B-2 | 3.5-5.5 | mg/kg | 0.79 |
| | 5.5-7.5 | mg/kg | 3.1 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 13.5-15.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.097 |
| | DUP-3 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | 0.13 |
| | 1.5-2.5 | mg/kg | 0.42 |
| B-B-3 | 2.5-3.5 | mg/kg | ND |
| | 3.5-5.5 | mg/kg | 15 |
| | 5.5-7.5 | mg/kg | 0.41 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | ND |
| | DUP-2 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | 3.2 |
| B-B-4 | 2.5-3.5 | mg/kg | 1.9 |
| | 3.5-5.5 | mg/kg | 0.1 |
| | 5.5-7.5 | mg/kg | 0.92 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| | DUP-4 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | 0.6 |
| B-B-5 | 2.5-3.5 | mg/kg | 2 |
| | 3.5-5.5 | mg/kg | 0.1 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 7.8 |
| | 0.5-1.5 | mg/kg | 27 |
| | 1.5-2.5 | mg/kg | 46 |
| D.D. 5. 4 | DUP-15 | mg/kg | 39 |
| B-B.5-4 | 2.5-3.5 | mg/kg | 13 |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | 2.5 |
| | 7.5-9.5 | mg/kg | 40000 |
| | 9.5-11.5 | mg/kg | 8.3 |

Abbreviations:

Notes:

mg/kg = milligram per killiogram
NT = Not Tested

BOLD Parameter detected above laboratory detection limit

ND= Not Detected

BOLD Parameter equal to or exceeds 1 mg/kg (MCP Method 1 Standard; TSCA HO Standard)

ND = Not Detected
NR = No Recovery

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| | 0-0.5 | mg/kg | 6.6 |
| | 0.5-1.5 | mg/kg | 2.8 |
| | 1.5-2.5 | mg/kg | 1.2 |
| | 2.5-3.5 | mg/kg | 9.3 |
| | 3.5-5.5 | mg/kg | 0.23 |
| B-C-1 | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 2.7 |
| | 11.5-13.5 | mg/kg | ND |
| | 13.5-15.5 | mg/kg | ND |
| | 15.5-17.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 4.3 |
| | DUP-11 | mg/kg | 10 |
| | 0.5-1.5 | mg/kg | 64 |
| | 1.5-2.5 | mg/kg | 1 |
| B-C-2 | 2.5-3.5 | mg/kg | 2.2 |
| D-0-2 | 3.5-5.5 | mg/kg | 0.88 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 16 |
| | 0.5-1.5 | mg/kg | 37 |
| | DUP-12 | mg/kg | 40 |
| | 1.5-2.5 | mg/kg | 67 |
| B-C-3 | 2.5-3.5 | mg/kg | 11 |
| | 3.5-5.5 | mg/kg | 5.2 |
| | 5.5-7.5 | mg/kg | 2.3 |
| | 7.5-9.5 | mg/kg | 4.4 |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.55 |
| | DUP-7 | mg/kg | 0.69 |
| | 0.5-1.5 | mg/kg | 10 |
| | 1.5-2.5 | mg/kg | 13 |
| B-C-3.5 | 2.5-3.5 | mg/kg | 12000 |
| D-U-3.3 | 3.5-5.5 | mg/kg | 1900 |
| | 5.5-7.5 | mg/kg | 2600 |
| | 7.5-9.5 | mg/kg | 5.4 |
| | 9.5-11.5 | mg/kg | 0.58 |
| | 11.5-13.5 | mg/kg | 0.21 |
| | 0-0.5 | mg/kg | 0.14 |
| | 0.5-1.5 | mg/kg | 3.1 |
| | DUP-16 | mg/kg | 2.9 |
| | 1.5-2.5 | mg/kg | 0.58 |
| B-C-4 | 2.5-3.5 | mg/kg | 1200 |
| B-U-4 | 3.5-5.5 | mg/kg | 880 |
| | 5.5-7.5 | mg/kg | 30 |
| | 7.5-9.5 | mg/kg | 0.6 |
| | 9.5-11.5 | mg/kg | 0.8 |
| | 11.5-13.5 | mg/kg | 0.26 |

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| | 0-0.5 | mg/kg | 6.9 |
| | 0.5-1.5 | mg/kg | 0.31 |
| | 1.5-2.5 | mg/kg | 1200 |
| | 2.5-3.5 | mg/kg | 1800 |
| B-C-4.5 | DUP-18 | mg/kg | 2400 |
| D-0-4.5 | 3.5-5.5 | mg/kg | 2100 |
| | 5.5-7.5 | mg/kg | 15 |
| | 7.5-9.5 | mg/kg | 0.11 |
| | 9.5-11.5 | mg/kg | 0.28 |
| | 11.5-13.5 | mg/kg | 0.33 |
| | 0-0.5 | mg/kg | 0.18 |
| | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | 0.36 |
| | 2.5-3.5 | mg/kg | 2.1 |
| B-C-5 | 3.5-5.5 | mg/kg | 0.44 |
| | 5.5-7.5 | mg/kg | 13 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 0.1 |
| | 11.5-13.5 | mg/kg | 0.089 |
| | 0-0.5 | mg/kg | 1.4 |
| | 0.5-1.5 | mg/kg | 1.1 |
| | 1.5-2.5 | mg/kg | 3.5 |
| | DUP-19 | mg/kg | 130 |
| B-C-7 | 2.5-3.5 | mg/kg | 0.12 |
| | 3.5-5.5 | mg/kg | 0.21 |
| | 5.5-7.5 | mg/kg | 11 |
| | 7.5-9.5 | mg/kg | 0.13 |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 5.5 |
| | 0.5-1.5 | mg/kg | 0.14 |
| | 1.5-2.5 | mg/kg | 5.2 |
| | 2.5-3.5 | mg/kg | 0.32 |
| B-C-9 | 3.5-5.5 | mg/kg | 0.58 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 8.3 |
| | 0.5-1.5 | mg/kg | 44 |
| | 1.5-2.5 | mg/kg | 9.1 |
| | DUP-20 | mg/kg | 22 |
| B-C-11 | 2.5-3.5 | mg/kg | 0.36 |
| | 3.5-5.5 | mg/kg | 0.17 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 4.4 |

Abbreviations:

Notes:

mg/kg = milligram per killiogram

BOLD Parameter detected above laboratory detection limit

NT = Not Tested

BOLD Parameter equal to or exceeds 1 mg/kg (MCP Method 1 Standard; TSCA HO Standard)

ND= Not Detected

Standards are from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

NR = No Recovery

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| | 0-0.5 | mg/kg | 0.36 |
| | 0.5-1.5 | mg/kg | 5.8 |
| | DUP-6 | mg/kg | 0.72 |
| | 1.5-2.5 | mg/kg | 38 |
| B-C.5-4 | 2.5-3.5 | mg/kg | 9.4 |
| B 0.0 1 | 3.5-5.5 | mg/kg | 5.42 |
| | 5.5-7.5 | mg/kg | 5.3 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 0.46 |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 5.7 |
| | DUP-17 | mg/kg | 6.5 |
| | 0.5-1.5 | mg/kg | 20 |
| | 1.5-2.5 | mg/kg | 1.9 |
| B-D-2 | 2.5-3.5 | mg/kg | 160 |
| | 3.5-5.5 | mg/kg | 7.6 |
| | 5.5-7.5 | mg/kg | 12 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 2.3 |
| | 0.5-1.5 | mg/kg | 20 |
| | DUP-14 | mg/kg | 17 |
| | 1.5-2.5 | mg/kg | 15 |
| B-D-3 | 2.5-3.5 | mg/kg | 11 |
| | 3.5-5.5 | mg/kg | 0.47 |
| | 5.5-7.5 | mg/kg | 0.28 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 0.21 |
| | 0-0.5 | mg/kg | 4.5 |
| | 0.5-1.5 | mg/kg | 2.1 |
| | 1.5-2.5 | mg/kg | 28 |
| B-D-4 | 2.5-3.5 | mg/kg | 13 |
| D-D-4 | 3.5-5.5 | mg/kg | 420 |
| | 5.5-7.5 | mg/kg | 140 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.88 |
| | 0.5-1.5 | mg/kg | 0.18 |
| | 1.5-2.5 | mg/kg | 3.3 |
| B-D-5 | 2.5-3.5 | mg/kg | 1.9 |
| D-D-0 | 3.5-5.5 | mg/kg | 5900 |
| | 5.5-7.5 | mg/kg | 25 |
| | 7.5-9.5 | mg/kg | 1.3 |
| | 9.5-11.5 | mg/kg | 0.46 |

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| | 0-0.5 | mg/kg | 5.1 |
| | 0.5-1.5 | mg/kg | 0.31 |
| | 1.5-2.5 | mg/kg | 0.38 |
| | 2.5-3.5 | mg/kg | 0.39 |
| | 3.5-5.5 | mg/kg | 0.16 |
| B-E-1 | 5.5-7.5 | mg/kg | 50 |
| | 7.5-9.5 | mg/kg | 16 |
| | 9.5-11.5 | mg/kg | 49 |
| | 11.5-13.5 | mg/kg | 0.45 |
| | 13.5-15.5 | mg/kg | 0.15 |
| | 15.5-17.5 | mg/kg | 0.96 |
| | 0-0.5 | mg/kg | 1.3 |
| | 0.5-1.5 | mg/kg | 0.67 |
| | 1.5-2.5 | mg/kg | 14 |
| B-E-3 | 2.5-3.5 | mg/kg | 1.2 |
| | 3.5-5.5 | mg/kg | 370 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.083 |
| | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | 2.2 |
| B-F-4 | 2.5-3.5 | mg/kg | 8.9 |
| D-L-4 | 3.5-5.5 | mg/kg | 4.5 |
| | 5.5-7.5 | mg/kg | 0.14 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| | DUP-27 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | 2.9 |
| | 1.5-2.5 | mg/kg | 16 |
| B-E-5 | 2.5-3.5 | mg/kg | 2.8 |
| | 3.5-5.5 | mg/kg | 0.32 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 1.1 |
| B-E-7 | 0.5-1.5 | mg/kg | 2.7 |
| | 1.5-2.5 | mg/kg | 10 |
| | 2.5-3.5 | mg/kg | 33 |
| | 3.5-5.5 | mg/kg | 1.8 |
| | 5.5-7.5 | mg/kg | 0.11 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |

Abbreviations: Notes:

NT = Not Tested BOLD Parameter equal to or exceeds 1 mg/kg (MCP Method 1 Standard; TSCA HO Standard)

ND= Not Detected Standards are from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

NR = No Recovery

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| B-E-9 | 0-0.5 | mg/kg | 8.2 |
| | DUP-28 | mg/kg | 4.8 |
| | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | 1.7 |
| | 2.5-3.5 | mg/kg | ND |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | 0.29 |
| | 7.5-9.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 2 |
| | 0.5-1.5 | mg/kg | 10 |
| | DUP-13 | mg/kg | 12 |
| | 1.5-2.5 | mg/kg | 0.24 |
| B-E-11 | 2.5-3.5 | mg/kg | 0.38 |
| | 3.5-5.5 | mg/kg | 0.14 |
| | 5.5-7.5 | mg/kg | 0.54 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 0.1 |
| | 11.5-13.5 | mg/kg | 0.34 |
| | 0-0.5 | mg/kg | 7.5 |
| | 0.5-1.5 | mg/kg | 15 |
| B-G-1 | 1.5-2.5 | mg/kg | 0.29 |
| 5-0-1 | 2.5-3.5 | mg/kg | 0.21 |
| | 3.5-5.5 | mg/kg | 59 |
| | 5.5-7.5 | mg/kg | 0.49 |
| | 0-0.5 | mg/kg | 8.5 |
| | 0.5-1.5 | mg/kg | 1.7 |
| B-G-3 | 1.5-2.5 | mg/kg | 3.4 |
| | 2.5-3.5 | mg/kg | 15 |
| | 3.5-5.5 | mg/kg | 20000 |
| | 5.5-7.5 | mg/kg | 2.5 |
| | 0-0.5 | mg/kg | 2 |
| | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | 15 |
| | 2.5-3.5 | mg/kg | 7.9 |
| B-G-5 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 1.1 |
| | 0.5-1.5 | mg/kg | 0.25 |
| | 1.5-2.5 | mg/kg | 1 |
| ĺ | 2.5-3.5 | mg/kg | 3.8 |
| B-G-7 | 3.5-5.5 | mg/kg | 0.3 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| B-G-9 | 0-0.5 | mg/kg | 6.2 |
| | 0.5-1.5 | mg/kg | 0.57 |
| | 1.5-2.5 | mg/kg | 2.3 |
| | 2.5-3.5 | mg/kg | 0.1 |
| | 3.5-5.5 | mg/kg | 0.1 |
| | 5.5-7.5 | mg/kg | 0.71 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 3.8 |
| | DUP-29 | mg/kg | 2.9 |
| | 0.5-1.5 | mg/kg | 0.89 |
| | 1.5-2.5 | mg/kg | 2.5 |
| | 2.5-3.5 | mg/kg | 0.59 |
| B-G-11 | 3.5-5.5 | mg/kg | 6.6 |
| | 5.5-7.5 | mg/kg | 0.55 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 13.5-15.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 6.9 |
| | 0.5-1.5 | mg/kg | 9.8 |
| | 1.5-2.5 | mg/kg | 8 |
| | 2.5-3.5 | mg/kg | 0.24 |
| B-I-1 | 3.5-5.5 | mg/kg | 1.4 |
| | 5.5-7.5 | mg/kg | 3.9 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.13 |
| | 0.5-1.5 | mg/kg | 0.12 |
| | 1.5-2.5 | mg/kg | 0.84 |
| B-I-3 | 2.5-3.5 | mg/kg | 1.28 |
| D-1-0 | 3.5-5.5 | | 1.3 |
| | 5.5-7.5 | mg/kg | 0.15 |
| | 7.5-9.5 | mg/kg | ND |
| | | mg/kg | 1.6 |
| ĺ | 0-0.5 | mg/kg | 0.61 |
| | 0.5-1.5 | mg/kg | 0.18 |
| | 1.5-2.5 | mg/kg | 0.18 |
| B-I-5 | 2.5-3.5 | mg/kg | |
| D-I-0 | 3.5-5.5 | mg/kg | 0.33 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND ND |
| | 11.5-13.5 | mg/kg | |
| | 0-0.5 | mg/kg | 6.5 |
| ĺ | DUP-26 | mg/kg | 2.2 |
| B-I-7 | 0.5-1.5 | mg/kg | 0.64 |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | 1 |
| ĺ | 3.5-5.5 | mg/kg | 0.61 |
| | 5.5-7.5 | mg/kg | 0.24 |

Abbreviations:

Notes:

mg/kg = milligram per killiogram

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NT = Not Tested

BOLD Parameter detected above laboratory detection limit

BOLD Parameter equal to or exceeds 1 mg/kg (MCP Method 1 Standard; TSCA HO Standard)

ND= Not Detected NR = No Recovery

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| B-I-9 | 0-0.5 | mg/kg | 26 |
| | 0.5-1.5 | mg/kg | 0.48 |
| | 1.5-2.5 | mg/kg | 0.12 |
| | 2.5-3.5 | mg/kg | 0.84 |
| | 3.5-5.5 | mg/kg | 0.22 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 0.2 |
| | 11.5-13.5 | mg/kg | ND |
| | 13.5-15.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 5.7 |
| | 0.5-1.5 | mg/kg | 3.2 |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| B-I-11 | 3.5-5.5 | mg/kg | 0.087 |
| D-I-11 | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 0.637 |
| | 11.5-13.5 | mg/kg | ND |
| | 13.5-15.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 4.4 |
| | 0.5-1.5 | mg/kg | 6 |
| | 1.5-2.5 | mg/kg | 0.21 |
| B-K-1 | 2.5-3.5 | mg/kg | 0.17 |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 5 |
| | 0.5-1.5 | mg/kg | 6.3 |
| | 1.5-2.5 | mg/kg | ND |
| B-K-3 | 2.5-3.5 | mg/kg | 0.28 |
| | 3.5-5.5 | mg/kg | 1.4 |
| | 5.5-7.5 | mg/kg | 0.77 |
| | 7.5-9.5 | mg/kg | NR |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 8.4 |
| | 0.5-1.5 | mg/kg | 12 |
| | 1.5-2.5 | mg/kg | ND |
| D K 5 | 2.5-3.5 | mg/kg | 1.4 |
| B-K-5 | 3.5-5.5 | mg/kg | 0.52 |
| | 5.5-7.5 | mg/kg | 0.44 |
| | 7.5-9.5 | mg/kg | ND 0.16 |
| | 9.5-11.5 | mg/kg | 0.16 |
| | 11.5-13.5 | mg/kg | ND |

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| B-K-7 | 0-0.5 | mg/kg | 8.8 |
| | DUP-23 | mg/kg | 7.3 |
| | 0.5-1.5 | mg/kg | 0.47 |
| | 1.5-2.5 | mg/kg | 0.089 |
| | 2.5-3.5 | mg/kg | 1.3 |
| | 3.5-5.5 | mg/kg | 0.35 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 15 |
| | 0.5-1.5 | mg/kg | 1.4 |
| | 1.5-2.5 | mg/kg | 0.12 |
| | 2.5-3.5 | mg/kg | 0.2 |
| B-K-9 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | 1.81 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 10 |
| | 0.5-1.5 | mg/kg | 0.93 |
| | 1.5-2.5 | mg/kg | 0.091 |
| B-K-11 | 2.5-3.5 | mg/kg | ND |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 26 |
| | 0.5-1.5 | mg/kg | 0.21 |
| | 1.5-2.5 | mg/kg | 0.4 |
| B-L-8 | 2.5-3.5 | mg/kg | ND |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 14 |
| | 0.5-1.5 | mg/kg | 0.38 |
| | 1.5-2.5 | mg/kg | 0.21 |
| B-L-9 | 2.5-3.5 | mg/kg | 0.097 |
| | 3.5-5.5 | mg/kg | 0.17 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND 0.0 |
| | 0-0.5 | mg/kg | 2.9 |
| | 0.5-1.5 | mg/kg | 3.1 |
| B-M-1 | 1.5-2.5 | mg/kg | 2.3 |
| | 2.5-3.5 | mg/kg | 0.47 |
| | 3.5-5.5 | mg/kg | ND ND |
| | 5.5-7.5 | mg/kg | טא |

Abbreviations:

Notes:

mg/kg = milligram per killiogram NT = Not Tested

BOLD Parameter detected above laboratory detection limit

ND= Not Detected

BOLD Parameter equal to or exceeds 1 mg/kg (MCP Method 1 Standard; TSCA HO Standard)

NR = No Recovery

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|--------------------|----------------|-----------------|
| B-M-3 | 0-0.5 | mg/kg | 11 |
| | DUP-22 | mg/kg | 1 |
| | 0.5-1.5 | mg/kg | 0.49 |
| | 1.5-2.5 | mg/kg | 0.25 |
| | 2.5-3.5 | mg/kg | ND |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | 0.42 |
| | 0-0.5 | mg/kg | 1.2 |
| | 0.5-1.5 | mg/kg | 0.78 |
| B-M-5 | 1.5-2.5 | mg/kg | ND |
| B W 0 | 2.5-3.5 | mg/kg | 0.12 |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.55 |
| | 0.5-1.5 | mg/kg | 24 |
| | 1.5-2.5 | mg/kg | 0.4 |
| | 2.5-3.5 | mg/kg | 0.35 |
| B-M-7 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | 0.75 |
| | 1.5-2.5 | mg/kg | 0.31 |
| B-M-8 | 2.5-3.5 | mg/kg | ND |
| 0 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | 0.19 |
| | 1.5-2.5 | mg/kg | ND ND |
| B-M-9 | 2.5-3.5 | mg/kg | |
| | 3.5-5.5 | mg/kg | ND ND |
| | 5.5-7.5 7.5-9.5 | mg/kg | |
| | | mg/kg | <i>NR</i> ND |
| | 9.5-11.5 0-0.5 | mg/kg | ND |
| | DUP-24 | mg/kg | ND |
| | 0.5-1.5 | mg/kg mg/kg | ND ND |
| | 1.5-2.5 | mg/kg | 0.73 |
| B-M-10 | 2.5-3.5 | mg/kg | 0.73 |
| D-IVI-10 | 3.5-5.5 | mg/kg | 0.096 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 1.1 |
| | 0.5-1.5 | mg/kg | 4 |
| | 1.5-2.5 | mg/kg | 1.9 |
| D 14.44 | 2.5-3.5 | mg/kg | 0.21 |
| B-M-11 | 3.5-5.5 | mg/kg | 0.13 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| | 0-0.5 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | ND |
| B-N-7 | 2.5-3.5 | mg/kg | 2.8 |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 6.3 |
| | 0.5-1.5 | mg/kg | 10 |
| | 1.5-2.5 | mg/kg | 31 |
| B-N-8 | 2.5-3.5 | mg/kg | 4.4 |
| D-14-0 | 3.5-5.5 | mg/kg | 6.4 |
| | 5.5-7.5 | mg/kg | 0.21 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.64 |
| | 0.5-1.5 | mg/kg | 7 |
| | 1.5-2.5 | mg/kg | 5.8 |
| D N O | 2.5-3.5 | mg/kg | 0.19 |
| B-N-9 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | 0.14 |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | ND |
| D N 40 | 2.5-3.5 | mg/kg | ND |
| B-N-10 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | 0.1 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.2 |
| | 0.5-1.5 | mg/kg | 0.27 |
| B-O-1 | 1.5-2.5 | mg/kg | ND |
| B-U-1 | 2.5-3.5 | mg/kg | ND |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | 1.5 |
| | 1.5-2.5 | mg/kg | ND |
| B-O-3 | 2.5-3.5 | mg/kg | ND |
| ĺ | 3.5-5.5 | mg/kg | 0.82 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.66 |
| | DUP-21 | mg/kg | 0.66 |
| | 0.5-1.5 | mg/kg | 0.27 |
| B-O-5 | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | | | |

Abbreviations:

Notes:

mg/kg = milligram per killiogram BOLD Parameter detected above laboratory detection limit

NT = Not Tested

BOLD Parameter equal to or exceeds 1 mg/kg (MCP Method 1 Standard; TSCA HO Standard)

ND= Not Detected NR = No Recovery

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| | 0-0.5 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | 0.24 |
| | 1.5-2.5 | mg/kg | 0.15 |
| B-O-7 | 2.5-3.5 | mg/kg | 0.11 |
| B-O-7 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 9.6 |
| | 0.5-1.5 | mg/kg | 13 |
| | 1.5-2.5 | mg/kg | 0.42 |
| | 2.5-3.5 | mg/kg | ND |
| B-O-8 | 3.5-5.5 | mg/kg | 0.14 |
| | 5.5-7.5 | mg/kg | 0.15 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 6.3 |
| | DUP-25 | mg/kg | 5.7 |
| | 0.5-1.5 | mg/kg | 2.3 |
| | 1.5-2.5 | mg/kg | 0.24 |
| B-O-9 | 2.5-3.5 | mg/kg | 0.22 |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | ND |
| | 0.5-1.5 | mg/kg | ND |
| | 1.5-2.5 | mg/kg | ND |
| B-O-10 | 2.5-3.5 | mg/kg | 1.1 |
| B-0-10 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |

| Sample ID | Depth(ft) | Units | Total PCBs |
|-----------|-----------|-------|------------|
| | 0-0.5 | mg/kg | 3.8 |
| | 0.5-1.5 | mg/kg | 0.08 |
| B-O-11 | 1.5-2.5 | mg/kg | ND |
| D-0-11 | 2.5-3.5 | mg/kg | ND |
| | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 3.4 |
| | 0.5-1.5 | mg/kg | 0.8 |
| | 1.5-2.5 | mg/kg | 0.91 |
| B-P-8 | 2.5-3.5 | mg/kg | 3.3 |
| B1 0 | 3.5-5.5 | mg/kg | 0.15 |
| | 5.5-7.5 | mg/kg | ND |
| | 7.5-9.5 | mg/kg | 0.91 |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 3.5 |
| | 0.5-1.5 | mg/kg | 6.1 |
| | 1.5-2.5 | mg/kg | ND |
| | 2.5-3.5 | mg/kg | ND |
| B-P-9 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | 0.26 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | 0.29 |
| | 11.5-13.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 0.39 |
| | 0.5-1.5 | mg/kg | 3.7 |
| | 1.5-2.5 | mg/kg | 0.35 |
| B-P-10 | 2.5-3.5 | mg/kg | ND |
| D-1-10 | 3.5-5.5 | mg/kg | ND |
| | 5.5-7.5 | mg/kg | 0.39 |
| | 7.5-9.5 | mg/kg | ND |
| | 9.5-11.5 | mg/kg | ND |

Abbreviations:

Notes:

mg/kg = milligram per killiogram NT = Not Tested BOLD Parameter detected above laboratory detection limit

ND= Not Detected

BOLD Parameter equal to or exceeds 1 mg/kg (MCP Method 1 Standard; TSCA HO Standard)

ND = Not Detected

Standards are from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

Table 8A Summary of Soil Analytical Results - Lead Playground Conway Park Somerville, Massachusetts July 2018

| Sample Locations | Depth (ft) | Units | Lead |
|------------------|------------|-------|------|
| | 0-0.5 | mg/kg | 120 |
| D 0 0 | 0.5-1.5 | mg/kg | 82 |
| B-Q-8 | 1.5-2.5 | mg/kg | 82 |
| | 2.5-3.5 | mg/kg | 61 |
| | 0-0.5 | mg/kg | 100 |
| B-Q-9 | 0.5-1.5 | mg/kg | 85 |
| D-Q-9 | 1.5-2.5 | mg/kg | 37 |
| | 2.5-3.5 | mg/kg | 41 |
| | 0-0.5 | mg/kg | 98 |
| B-Q-10 | 0.5-1.5 | mg/kg | 77 |
| טו-גט-נו | 1.5-2.5 | mg/kg | 120 |
| | 2.5-3.5 | mg/kg | 110 |
| | 0-0.5 | mg/kg | 87 |
| B-Q-11 | 0.5-1.5 | mg/kg | 160 |
| D-W-11 | 1.5-2.5 | mg/kg | 38 |
| | 2.5-3.5 | mg/kg | 85 |
| | 0-0.5 | mg/kg | 43 |
| B-R-3 | 0.5-1.5 | mg/kg | 43 |
| | 1.5-2.5 | mg/kg | 53 |
| | 2.5-3.5 | mg/kg | 41 |
| | 0-0.5 | mg/kg | 77 |
| B-R-4 | 0.5-1.5 | mg/kg | 130 |
| | 1.5-2.5 | mg/kg | 100 |
| | 2.5-3.5 | mg/kg | 45 |
| | 0-0.5 | mg/kg | 8.7 |
| B-R-5 | 0.5-1.5 | mg/kg | 110 |
| | 1.5-2.5 | mg/kg | 94 |
| | 2.5-3.5 | mg/kg | 150 |
| | 0-0.5 | mg/kg | 200 |
| B-R-6 | 0.5-1.5 | mg/kg | 190 |
| | 1.5-2.5 | mg/kg | 98 |
| | 2.5-3.5 | mg/kg | 130 |
| | 0-0.5 | mg/kg | 80 |
| B-R-7 | 0.5-1.5 | mg/kg | 110 |
| | 1.5-2.5 | mg/kg | 130 |
| | 2.5-3.5 | mg/kg | 280 |

| Sample Locations | Depth (ft) | Units | Lead |
|------------------|------------|-------|------|
| | 0-0.5 | mg/kg | 65 |
| B-R-11 | 0.5-1.5 | mg/kg | 22 |
| D-N-11 | 1.5-2.5 | mg/kg | 150 |
| | 2.5-3.5 | mg/kg | 180 |
| | 0-0.5 | mg/kg | 8.5 |
| B-S-3 | 0.5-1.5 | mg/kg | 30 |
| D-0-0 | 1.5-2.5 | mg/kg | 42 |
| | 2.5-3.5 | mg/kg | 32 |
| | 0-0.5 | mg/kg | 12 |
| B-S-4 | 0.5-1.5 | mg/kg | 41 |
| | 1.5-2.5 | mg/kg | 110 |
| | 2.5-3.5 | mg/kg | 56 |
| | 0-0.5 | mg/kg | 14 |
| B-S-5 | 0.5-1.5 | mg/kg | 5.2 |
| | 1.5-2.5 | mg/kg | 15 |
| | 2.5-3.5 | mg/kg | 11 |
| | 0-0.5 | mg/kg | 110 |
| B-S-6 | 0.5-1.5 | mg/kg | 35 |
| | 1.5-2.5 | mg/kg | 68 |
| | 2.5-3.5 | mg/kg | 58 |
| | 0-0.5 | mg/kg | 140 |
| B-S-7 | 0.5-1.5 | mg/kg | 140 |
|] | 1.5-2.5 | mg/kg | 210 |
| | 2.5-3.5 | mg/kg | 190 |
| | 0-0.5 | mg/kg | 130 |
| B-S-10 | 0.5-1.5 | mg/kg | 96 |
| 1 | 1.5-2.5 | mg/kg | 99 |
| | 2.5-3.5 | mg/kg | 110 |
| | 0-0.5 | mg/kg | 140 |
| B-S-11 | 0.5-1.5 | mg/kg | 120 |
|] | 1.5-2.5 | mg/kg | 34 |
| | 2.5-3.5 | mg/kg | 8.6 |

Abbreviations:

mg/kg = milligram per killiogram

Notes:

BOLD Parameter detected above laboratory detection limit

BOLD Parameter equal to or exceeds 200 mg/kg (MCP Method 1 Standard)

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 150 |
| | 0.5-1.5 | mg/kg | 130 |
| | 1.5-2.5 | mg/kg | 150 |
| | 2.5-3.5 | mg/kg | 260 |
| | 3.5-5.5 | mg/kg | 430 |
| B-A-1 | 5.5-7.5 | mg/kg | 120 |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 13.5-15.5 | mg/kg | NT |
| | 15.5-17.5 | mg/kg | NT |
| | 17.5-19.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 110 |
| | DUP-1 | mg/kg | 130 |
| | 0.5-1.5 | mg/kg | 320 |
| | 1.5-2.5 | mg/kg | 400 |
| | 2.5-3.5 | mg/kg | 400 |
| B-A-5 | DUP-8 | mg/kg | 370 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 110 |
| | DUP-9 | mg/kg | 130 |
| | 0.5-1.5 | mg/kg | 260 |
| | 1.5-2.5 | mg/kg | 1200 |
| | 2.5-3.5 | mg/kg | 670 |
| B-A-7 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 13.5-15.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 140 |
| | DUP-10 | mg/kg | 61 |
| | 0.5-1.5 | mg/kg | 98 |
| | 1.5-2.5 | mg/kg | 310 |
| B-A-9 | 2.5-3.5 | mg/kg | 350 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-------------------|----------------|------------|
| | 0-0.5 | mg/kg | 18 |
| | DUP-5 | mg/kg | 28 |
| | 0.5-1.5 | mg/kg | 140 |
| | 1.5-2.5 | mg/kg | 180 |
| | 2.5-3.5 | mg/kg | 170 |
| B-B-2 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 13.5-15.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 7.6 |
| | DUP-3 | mg/kg | 9.4 |
| | 0.5-1.5 | mg/kg | 5.9 |
| | 1.5-2.5 | mg/kg | 20 |
| B-B-3 | 2.5-3.5 | mg/kg | 9.9 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 9.7 |
| | 0.5-1.5 | mg/kg | 6.5 |
| | DUP-2 | mg/kg | 6.1 |
| D.D.4 | 1.5-2.5 | mg/kg | 39 |
| B-B-4 | 2.5-3.5 | mg/kg | 43 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT NT |
| | 9.5-11.5 0-0.5 | mg/kg | 11 |
| | | mg/kg | |
| | DUP-4 0.5-1.5 | mg/kg | 8.4 6.2 |
| | 1.5-2.5 | mg/kg mg/kg | 5.6 |
| B-B-5 | 2.5-3.5 | mg/kg | 5.6 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 150 |
| | 0.5-1.5 | mg/kg | 110 |
| | 1.5-2.5 | mg/kg | 120 |
| | DUP-7 | mg/kg | 300 |
| B-B.5-4 | 2.5-3.5 | mg/kg | 1100 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0.0 11.0 | mg/ng | |

Abbreviations:

Notes:

$$\label{eq:mgkg} \begin{split} \text{mg/kg} &= \text{milligram per killiogram} \\ \text{NT} &= \text{Not Tested} \end{split}$$

BOLD Parameter detected above laboratory detection limit

BOLD Parameter exceeds the applicable RCS-1 threshold

ND= Not Detected NR = No Recovery

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 170 |
| | 0.5-1.5 | mg/kg | 92 |
| | 1.5-2.5 | mg/kg | 300 |
| | 2.5-3.5 | mg/kg | 320 |
| | 3.5-5.5 | mg/kg | 220 |
| B-C-1 | 5.5-7.5 | mg/kg | 160 |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 13.5-15.5 | mg/kg | NT |
| | 15.5-17.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 96 |
| | DUP-12 | mg/kg | NT |
| | 0.5-1.5 | mg/kg | 270 |
| | 1.5-2.5 | mg/kg | 14 |
| B-C-2 | 2.5-3.5 | mg/kg | 540 |
| D-0-2 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 230 |
| | 0.5-1.5 | mg/kg | 270 |
| | DUP-13 | mg/kg | NT |
| | 1.5-2.5 | mg/kg | 140 |
| B-C-3 | 2.5-3.5 | mg/kg | 400 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 12 |
| | DUP-16 | mg/kg | NT |
| | 0.5-1.5 | mg/kg | 83 |
| | 1.5-2.5 | mg/kg | 58 |
| B-C-3.5 | 2.5-3.5 | mg/kg | 310 |
| 2 3 3.3 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 8.7 |
| ĺ | 0.5-1.5 | mg/kg | 39 |
| | DUP-17 | mg/kg | NT |
| | 1.5-2.5 | mg/kg | 35 |
| B-C-4 | 2.5-3.5 | mg/kg | 590 |
| l | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 250 |
| | 0.5-1.5 | mg/kg | 12 |
| | 1.5-2.5 | mg/kg | 460 |
| | 2.5-3.5 | mg/kg | 830 |
| B-C-4.5 | DUP-18 | mg/kg | NT |
| B-C-4.5 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 11 |
| | 0.5-1.5 | mg/kg | 3.6 |
| | 1.5-2.5 | mg/kg | 13 |
| | 2.5-3.5 | mg/kg | 28 |
| B-C-5 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | 3.2 |
| | 0-0.5 | mg/kg | 150 |
| | 0.5-1.5 | mg/kg | 200 |
| | 1.5-2.5 | mg/kg | 67 |
| | DUP-19 | mg/kg | NT |
| B-C-7 | 2.5-3.5 | mg/kg | 510 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 130 |
| | 0.5-1.5 | mg/kg | 14 |
| | 1.5-2.5 | mg/kg | 20 |
| | 2.5-3.5 | mg/kg | 19 |
| B-C-9 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 120 |
| | 0.5-1.5 | mg/kg | 230 |
| | 1.5-2.5 | mg/kg | 270 |
| | DUP-20 | mg/kg | NT |
| B-C-11 | 2.5-3.5 | mg/kg | 310 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |

Abbreviations:

Notes:

mg/kg = milligram per killiogram NT = Not Tested

BOLD Parameter detected above laboratory detection limit

ND= Not Detected NR = No Recovery

BOLD Parameter exceeds the applicable RCS-1 threshold

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 18 |
| | 0.5-1.5 | mg/kg | 110 |
| | DUP-6 | mg/kg | 55 |
| | 1.5-2.5 | mg/kg | 540 |
| B-C.5-4 | 2.5-3.5 | mg/kg | 200 |
| B-0.5-4 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 33 |
| | DUP-11 | mg/kg | NT |
| | 0.5-1.5 | mg/kg | 160 |
| | 1.5-2.5 | mg/kg | 20 |
| B-D-2 | 2.5-3.5 | mg/kg | 330 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 39 |
| | 0.5-1.5 | mg/kg | 170 |
| | DUP-15 | mg/kg | NT |
| | 1.5-2.5 | mg/kg | 100 |
| B-D-3 | 2.5-3.5 | mg/kg | 370 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 130 |
| | 0.5-1.5 | mg/kg | 33 |
| | 1.5-2.5 | mg/kg | 82 |
| B-D-4 | 2.5-3.5 | mg/kg | 2400 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 33 |
| | 0.5-1.5 | mg/kg | 7.2 |
| | 1.5-2.5 | mg/kg | 20 |
| B-D-5 | 2.5-3.5 | mg/kg | 200 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-------------------|----------------|-----------------|
| | 0-0.5 | mg/kg | 150 |
| | 0.5-1.5 | mg/kg | 120 |
| | 1.5-2.5 | mg/kg | 74 |
| | 2.5-3.5 | mg/kg | 170 |
| | 3.5-5.5 | mg/kg | NT |
| B-E-1 | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 13.5-15.5 | mg/kg | NT |
| | 15.5-17.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 11 |
| | 0.5-1.5 | mg/kg | 11 |
| | 1.5-2.5 | mg/kg | 82 |
| B-E-3 | 2.5-3.5 | mg/kg | 330 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT NT |
| | 7.5-9.5 | mg/kg | |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | NT 12 |
| | 0.5-1.5 | mg/kg | |
| | 1.5-2.5 | mg/kg | 32 |
| B-E-4 | 2.5-3.5 | mg/kg | 210 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | 6.6 |
| | 0-0.5 | mg/kg | |
| | DUP-27 0.5-1.5 | mg/kg | 9.5 38 |
| | 1.5-2.5 | mg/kg | NT |
| | 2.5-3.5 | mg/kg mg/kg | NT |
| B-E-5 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 66 |
| | 0.5-1.5 | mg/kg | 150 |
| | 1.5-2.5 | mg/kg | 320 |
| | 2.5-3.5 | mg/kg | 570 |
| B-E-7 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 11.0-10.0 | mg/ng | 141 |

Abbreviations: Notes:

mg/kg = milligram per killiogram

BOLD Parameter detected above laboratory detection limit

NT = Not Tested BOLD Parameter exceeds the applicable RCS-1 threshold

ND= Not Detected Standards are from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 100 |
| | DUP-28 | mg/kg | 100 |
| | 0.5-1.5 | mg/kg | 3.9 |
| B-E-9 | 1.5-2.5 | mg/kg | 100 |
| D-L-9 | 2.5-3.5 | mg/kg | 28 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 350 |
| | 0.5-1.5 | mg/kg | 300 |
| | DUP-14 | mg/kg | NT |
| | 1.5-2.5 | mg/kg | 23 |
| B-E-11 | 2.5-3.5 | mg/kg | 270 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 160 |
| | 0.5-1.5 | mg/kg | 210 |
| B-G-1 | 1.5-2.5 | mg/kg | 220 |
|] 5 4 . | 2.5-3.5 | mg/kg | 320 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 60 |
| | 0.5-1.5 | mg/kg | 13 |
| B-G-3 | 1.5-2.5 | mg/kg | 70 |
| | 2.5-3.5 | mg/kg | 190 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 60 |
| | 0.5-1.5 | mg/kg | 13 |
| | 1.5-2.5 | mg/kg | 250 |
| D 0 - | 2.5-3.5 | mg/kg | 210 |
| B-G-5 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 70 |
| | 0.5-1.5 | mg/kg | 23 |
| | 1.5-2.5 | mg/kg | 240 |
| D 0 - | 2.5-3.5 | mg/kg | 670 |
| B-G-7 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 110 |
| | 0.5-1.5 | mg/kg | 20 |
| | 1.5-2.5 | mg/kg | 470 |
| B-G-9 | 2.5-3.5 | mg/kg | 310 |
| D-G-9 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | 990 |
| | 0-0.5 | mg/kg | 140 |
| | DUP-29 | mg/kg | 130 |
| | 0.5-1.5 | mg/kg | 42 |
| | 1.5-2.5 | mg/kg | 350 |
| | 2.5-3.5 | mg/kg | 130 |
| B-G-11 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 13.5-15.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | NT |
| | 0.5-1.5 | mg/kg | NT |
| | 1.5-2.5 | mg/kg | NT |
| D.14 | 2.5-3.5 | mg/kg | NT |
| B-I-1 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 57 |
| | 0.5-1.5 | mg/kg | 16 |
| | 1.5-2.5 | mg/kg | 160 |
| B-I-3 | 2.5-3.5 | mg/kg | 300 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | 22 |
| | 0-0.5 | mg/kg | 70 |
| | 0.5-1.5 | mg/kg | 30 |
| | 1.5-2.5 | mg/kg | 160 |
| | 2.5-3.5 | mg/kg | 350 |
| B-I-5 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 130 |
| | DUP-26 | mg/kg | 67 |
| | 0.5-1.5 | mg/kg | 42 |
| B-I-7 | 1.5-2.5 | mg/kg | 6 |
|] | 2.5-3.5 | mg/kg | 76 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 0.0-7.0 | my/ky | 11/1 |

Abbreviations:

Notes:

mg/kg = milligram per killiogram NT = Not Tested

BOLD Parameter detected above laboratory detection limit

BOLD Parameter exceeds the applicable RCS-1 threshold

ND= Not Detected

Standards are from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 300 |
| | 0.5-1.5 | mg/kg | 18 |
| | 1.5-2.5 | mg/kg | 7.2 |
| | 2.5-3.5 | mg/kg | 880 |
| B-I-9 | 3.5-5.5 | mg/kg | NT |
| D-1-9 | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 13.5-15.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 180 |
| | 0.5-1.5 | mg/kg | 850 |
| | 1.5-2.5 | mg/kg | 300 |
| | 2.5-3.5 | mg/kg | 6 |
| B-I-11 | 3.5-5.5 | mg/kg | NT |
| 5 | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 13.5-15.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 120 |
| | 0.5-1.5 | mg/kg | 32 |
| | 1.5-2.5 | mg/kg | 77 |
| B-K-1 | 2.5-3.5 | mg/kg | 410 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 150 |
| | 0.5-1.5 | mg/kg | 220 |
| | 1.5-2.5 | mg/kg | 3.6 |
| B-K-3 | 2.5-3.5 | mg/kg | 180 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 110 |
| | 0.5-1.5 | mg/kg | 180 |
| | 1.5-2.5 | mg/kg | 6.2 |
| | 2.5-3.5 | mg/kg | 170 |
| B-K-5 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 230 |
| | DUP-23 | mg/kg | 190 |
| | 0.5-1.5 | mg/kg | 54 |
| | 1.5-2.5 | mg/kg | 4.4 |
| B-K-7 | 2.5-3.5 | mg/kg | 340 |
| D-N-7 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 240 |
| | 0.5-1.5 | mg/kg | 91 |
| | 1.5-2.5 | mg/kg | 43 |
| | 2.5-3.5 | mg/kg | 700 |
| B-K-9 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 230 |
| | 0.5-1.5 | mg/kg | 22 |
| | 1.5-2.5 | mg/kg | 43 |
| | 2.5-3.5 | mg/kg | 180 |
| B-K-11 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | 2.8 |
| | 0-0.5 | mg/kg | 260 |
| | 0.5-1.5 | mg/kg | 26 |
| | 1.5-2.5 | mg/kg | 470 |
| | 2.5-3.5 | mg/kg | NT |
| B-L-8 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 200 |
| | 0.5-1.5 | mg/kg | 5.9 |
| | 1.5-2.5 | mg/kg | 64 |
| _ | 2.5-3.5 | mg/kg | 2200 |
| B-L-9 | 3.5-5.5 | mg/kg | 370 |
| | 5.5-7.5 | mg/kg | 390 |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 120 |
| | 0.5-1.5 | mg/kg | 130 |
| | 1.5-2.5 | | 140 |
| B-M-1 | 2.5-3.5 | mg/kg | 130 |
| | 3.5-5.5 | mg/kg | NT |
| | | mg/kg | NT |
| | 5.5-7.5 | mg/kg | INI |

Abbreviations:

Notes:

mg/kg = milligram per killiogram NT = Not Tested

BOLD Parameter detected above laboratory detection limit

BOLD Parameter exceeds the applicable RCS-1 threshold

ND= Not Detected NR = No Recovery

| Sample ID | Depth(ft) | Units | Lead |
|-----------|--------------------|----------------|-----------|
| | 0-0.5 | mg/kg | 250 |
| | DUP-22 | mg/kg | 52 |
| | 0.5-1.5 | mg/kg | 7.5 |
| B-M-3 | 1.5-2.5 | mg/kg | 270 |
| | 2.5-3.5 | mg/kg | 220 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 52 |
| | 0.5-1.5 | mg/kg | 52 |
| 5.45 | 1.5-2.5 | mg/kg | 8.8 |
| B-M-5 | 2.5-3.5 | mg/kg | 130 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 23 |
| | 0.5-1.5 | mg/kg | 410 |
| | 1.5-2.5 | mg/kg | 51 |
| ĺ | 2.5-3.5 | mg/kg | 290 |
| B-M-7 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 9.8 |
| | 0.5-1.5 | mg/kg | 25 |
| | 1.5-2.5 | mg/kg | 7.3 |
| B-M-8 | 2.5-3.5 | mg/kg | 57 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 7.6 13 |
| | 0.5-1.5 | mg/kg | 110 |
| | 1.5-2.5 2.5-3.5 | mg/kg | 22 |
| B-M-9 | 3.5-5.5 | mg/kg mg/kg | NT |
| | 5.5-7.5 | | NT |
| | 7.5-9.5 | mg/kg mg/kg | NR |
| | 9.5-11.5 | mg/kg | ND |
| | 0-0.5 | mg/kg | 6.2 |
| | DUP-24 | mg/kg | 8.7 |
| | 0.5-1.5 | mg/kg | 19 |
| | 1.5-2.5 | mg/kg | 27 |
| B-M-10 | 2.5-3.5 | mg/kg | 67 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 55 |
| | 0.5-1.5 | mg/kg | 170 |
| ĺ | 1.5-2.5 | mg/kg | 72 |
| B-M-11 | 2.5-3.5 | mg/kg | 29 |
| D-141-1 1 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| ĺ | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 8.1 |
| | 0.5-1.5 | mg/kg | 2.8 |
| | 1.5-2.5 | mg/kg | 4.1 |
| B-N-7 | 2.5-3.5 | mg/kg | 120 |
| D-IN-7 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 170 |
| | 0.5-1.5 | mg/kg | 230 |
| | 1.5-2.5 | mg/kg | 320 |
| B-N-8 | 2.5-3.5 | mg/kg | 220 |
| 5110 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 40 |
| | 0.5-1.5 | mg/kg | 150 |
| | 1.5-2.5 | mg/kg | 270 |
| B-N-9 | 2.5-3.5 | mg/kg | 160 |
| D-14-0 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 7.2 |
| | 0.5-1.5 | mg/kg | 5.6 |
| | 1.5-2.5 | mg/kg | 13 |
| B-N-10 | 2.5-3.5 | mg/kg | 17 |
| D-14-10 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 54 |
| | 0.5-1.5 | mg/kg | 30 |
| B-O-1 | 1.5-2.5 | mg/kg | 11 |
| D-0-1 | 2.5-3.5 | mg/kg | 19 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 12 |
| | 0.5-1.5 | mg/kg | 89 |
| | 1.5-2.5 | mg/kg | 1500 |
| B-O-3 | 2.5-3.5 | mg/kg | 240 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 52 |
| | DUP-21 | mg/kg | 39 |
| | 0.5-1.5 | mg/kg | 26 |
| B-O-5 | 1.5-2.5 | mg/kg | 8.7 |
| | 2.5-3.5 | mg/kg | 73 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | 5.3 |

Abbreviations:

Notes:

 $\label{eq:mgkg} \textit{mg/kg} = \textit{milligram per killiogram} \quad \textbf{BOLD} \quad \textit{Parameter detected above laboratory detection limit}$

NT = Not Tested

BOLD Parameter exceeds the applicable RCS-1 threshold

ND= Not Detected NR = No Recovery

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 9.9 |
| | 0.5-1.5 | mg/kg | 10 |
| | 1.5-2.5 | mg/kg | 31 |
| B-O-7 | 2.5-3.5 | mg/kg | 180 |
| B-O-7 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 140 |
| | 0.5-1.5 | mg/kg | 180 |
| | 1.5-2.5 | mg/kg | 71 |
| | 2.5-3.5 | mg/kg | 29 |
| B-O-8 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 190 |
| | DUP-25 | mg/kg | 150 |
| | 0.5-1.5 | mg/kg | 65 |
| | 1.5-2.5 | mg/kg | 39 |
| B-O-9 | 2.5-3.5 | mg/kg | 220 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 7.1 |
| | 0.5-1.5 | mg/kg | 3.5 |
| | 1.5-2.5 | mg/kg | 11 |
| B-O-10 | 2.5-3.5 | mg/kg | 190 |
| B-U-10 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |

| Sample ID | Depth(ft) | Units | Lead |
|-----------|-----------|-------|------|
| | 0-0.5 | mg/kg | 190 |
| | 0.5-1.5 | mg/kg | 5.1 |
| B-O-11 | 1.5-2.5 | mg/kg | 28 |
| B-O-11 | 2.5-3.5 | mg/kg | 34 |
| | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 130 |
| | 0.5-1.5 | mg/kg | 130 |
| | 1.5-2.5 | mg/kg | 74 |
| B-P-8 | 2.5-3.5 | mg/kg | 73 |
| D-1-0 | 3.5-5.5 | mg/kg | 600 |
| | 5.5-7.5 | mg/kg | 1200 |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 110 |
| | 0.5-1.5 | mg/kg | 150 |
| | 1.5-2.5 | mg/kg | 35 |
| | 2.5-3.5 | mg/kg | 32 |
| B-P-9 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |
| | 11.5-13.5 | mg/kg | NT |
| | 0-0.5 | mg/kg | 29 |
| | 0.5-1.5 | mg/kg | 160 |
| | 1.5-2.5 | mg/kg | 32 |
| B-P-10 | 2.5-3.5 | mg/kg | 10 |
| D-6-10 | 3.5-5.5 | mg/kg | NT |
| | 5.5-7.5 | mg/kg | NT |
| | 7.5-9.5 | mg/kg | NT |
| | 9.5-11.5 | mg/kg | NT |

Abbreviations: Notes:

mg/kg = milligram per killiot BOLD Parameter detected above laboratory detection limit NT = Not Tested BOLD Parameter exceeds the applicable RCS-1 threshold

ND= Not Detected Standards are from Massachusetts Contingency Plan (MCP), 310 CMR 40, April 2014.

ATTACHMENT A Soil Boring Logs

| | We | stor | n <mark>&</mark> S | amps | son | P P | roject roject | JECT Name Name wn, MA | | RT OF Probe N SHEET Project No. CHKD BY | 1 OF 1 | | | |
|-----------------|-------------------|----------|-------------------------------------|----------------------|------------------|--------------|------------------|--------------------------------|------------|--|-----------|------------|--------------------|--|
| BORIN FOREN | | | New | England Ge Maynor | eotech | | | ING LOCA UND SURI | | | See atta | ched | plan DATUM | |
| WSE R | | | | Taylor Smit | h | | | E START | | 11/1/17 | DATE | END | 11/1/17 | |
| SAMPL | ER: | Geoprob | e 6610DT track | k mounted rig | | | | | GR | OUNDWATER | OBSE | RVA1 | TONS | |
| CASIN | <u>.</u> . | | ampler 2.25 inc .25 inch PVC lir | | | | ı | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME | |
| CASIIN | J. | D1 22 2. | .23 | iers w/o catche | 3 1 | | ı | | | | | | | |
| CASING | | 2.25 | | | Direct Push | | | | | | | | | |
| DEPTH (feet) | CASING (blows/ft) | No. | REC/PEN (in) | SAMPLE DEPTH (ft) | BLOWS/6" | PID (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION | |
| 0 | (DIOWO/IL) | 1 | 36/60 | 0-5 | N/A | 0 | | ark brown silt | y SAND | with organics | | | TOPSOIL | |
| | | | | | | | | | | | | | | |
| | | | | | | | Dark | brown to grey | SAND; t | race silt, organics | | | | |
| 5 – | | | 20/00 | T 10 | | F.C | | | | | . | | | |
| | | 2 | 36/60 | 5-10 | | 5.6 | | | | | | | SAND FILL | |
| | | | | | | | | _ | | | | | | |
| | | | | | | | | Brown to | grey silty | SAND | | | | |
| 10 – | | 3 | 30/60 | 10-12.5 | | 0 | | | | | | | | |
| | | | | | | | | F.C | OB at 12. | - | | | | |
| | | | | | | | | EC | 75 at 12. |) | | | | |
| 15 – | | | | | | | | | | | | | | |
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| 20 – | | | | | | | | | | | | | | |
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| 25 – | | | | | | | | | | | | | | |
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| 30 – | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | GRANU | I AD CC | OII C | COLIEC | IVE SOILS | NOTI | <u> </u> | | | | | | | |
| | NS/FT | ı | ENSITY | BLOWS/FT | DENSITY | INOTI | = 3. | EOB - End | d of Bor | ing | | | | |
| - | 10 | | LOOSE | 0-2 | V. SOFT | | | Refusal at | 12.5 fe | eet | | | | |
| | -10 -30 | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | | |
| | -50 | | ENSE | 8-15 | STIFF | | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION | | | (IMATE E | BOUNDA | ARY BETWEEN | SOIL TYP | PES. TRANSITIONS | MAY BE 0 | GRADUA | AL. | |
| | | • | | | | | | | | NDITIONS STATED (HAN THOSE PRESE | | | .OG. | |
| | | | SUREMENTS AR | | MOUNDWATER MA | ~1 UUU | N DOE | IO OTHER FA | o i oro I | HAN THOSE PRESE | .NI MI IF | IL I IIVIE | | |
| | | | | | | | | | | | PROBI | E No. | P-1 | |

| Weston Sampson BORING Co. New England Geotech | | | | | | P P | roject roject | JECT Name Name wn, MA | | RT OF Probe SHEET Project No. CHKD BY | <u>1 </u> | | | | |
|--|--------------|------|-------------------------------------|-----------------------|------------------|--------|------------------|--------------------------------|------------|--|---|----------------|------------------|-----|--|
| | | | New | | eotech | | | ING LOCA | | | See atta | ched | | _ | |
| FOREN WSE R | | | | Maynor Taylor Smit | h | | | UND SURI E START | -ACE E | 11/1/17 | DATE | END | DATUM 11/1/17 | | |
| SAMPL | .ER: | | e 6610DT track | | | | | | | | | R OBSERVATIONS | | | |
| CASIN | G : | | ampler 2.25 inc .25 inch PVC lir | | er | | • | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TI | IME | |
| | | | | | | | | | | | | | | | |
| CASING DEPTH | CASING | 2.25 | | Method SAMPLE | Direct Push | PID | | | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | DEPTH (ft) | BLOWS/6" | (ppm) | | SAMPLE | | | NOTES | STR | ATUM DESCRIPTIO | ON | |
| 0 | | 1 | 55/60 | 0-5 | N/A | 0.3 | | Oark brown silt | ty SAND | with organics | ┨ | | TOPSOIL | | |
| | | | | | | | Ligh | | n SAND; | trace silt, glass, | | | | | |
| 5 – | | | | | | | | nac | otaroa rot | , , , , , , , , , , , , , , , , , , , | | | | | |
| 3 | | 2 | 40/60 | 5-10 | | 0 | | | | | | | | | |
| | | | | | | | | | | | | | SAND FILL | | |
| 4.0 | | | | | | | Ligh | it to dark brow | n SAND: | trace silt, brick, | | | | | |
| 10 – | | 3 | 55/60 | 10-15 | | 3.5 | | | wood | , , | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 15 – | | | | | | | | | | | 1 1 | | | | |
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| 20 – | | | | | | | | | | | | | | | |
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| 25 – | | | | | | | | | | | | | | | |
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| 30 – | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | |
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| | GRANU | 1 | | | IVE SOILS | NOTE | ES: | FOD For | J -4 D - | | | | | | |
| | NS/FT)-4 | | ENSITY LOOSE | BLOWS/FT 0-2 | V. SOFT | | | EOB - End | וטם וט ג | ing | | | | | |
| | -10 -30 | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | | | |
| 30 | -50 | D | ENSE | 8-15 | STIFF | | | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | | | |
| GENERA | L NOTES: | , | | LINES REPRES | ENT THE APPROX | | | | | PES. TRANSITIONS | | | | | |
| | | , | | | | | | | | NDITIONS STATED HAN THOSE PRES | | | LOG. | | |
| | | | SUREMENTS AR | | | | | | | | | | D 0 | | |
| | | | | | | | | | | | PROB | = NO. | P-2 | | |

| Weston Sampson | | | | | | | PROJECT Project Name Project Name City/Town, MA PROJECT REPORT OF Probe I SHEET Project No. CHKD BY | | | | No. P-3 1 OF 1 2170709 Joseph Spencer | | |
|----------------|---------------|---------|------------------|-----------------|-------------|--------------------|--|------------------------------|------------|--|--|-------|--------------------|
| BORIN | G Co. | | New | England Ge | eotech | • | BOR | ING LOCA | TION | 5 | See atta | ached | plan |
| FOREN | 1AN | | | Maynor | | | GRO | UND SURF | | ELEV. | | | DATUM |
| WSE R | EP: | | • | Taylor Smit | h | | DATE | START | | 11/1/17 | DATE | END | 11/1/17 |
| SAMPL | .ER: | Geoprob | e 6610DT track | k mounted rig | | | | | GR | OUNDWATER | OBSE | RVAT | TONS |
| | | | ampler 2.25 inc | | | DATE TIME WATER AT | | | | | CASIN | IG AT | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | .25 inch PVC lir | ners w/o catch | er | | | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | Direct dell | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| 0 | (0.0.1.0,1.1) | 1 | 55/60 | 0-5 | N/A | 0.2 | | ark brown silt | y SAND | with organics | | | TOPSOIL |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | CAND | | | | |
| 5 – | | 2 | 48/60 | 5-10 | | 0.2 | | | | ; trace silt, brick, st layer at 8-9 feet | | | |
| | | | 40/00 | 3-10 | | 0.2 | | , , , , , | , | | | | |
| | | | | | | | | | | | | | SAND FILL |
| | | | | | | | | | | | | | |
| 10 – | | | | | | | | | | | | | |
| | | 3 | 36/60 | 10-13 | | 3.5 | Lig | ht to dark grey fractured | | trace silt, brick, | | | |
| | | | | | | | | naciuiec | i iock, cc | Diciele | | | |
| | | | | | | | | E | OB at 13 | 3 | | | |
| 4.5 | | | | | | | | _ | | | | | |
| 15 – | | | | | | | | | | | | | |
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| 30 – | | | | | | | | | | | | | |
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| | GRANU | | | | IVE SOILS | NOTE | ES: | | | | | | |
| | NS/FT)-4 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | | | EOB - End Refusal at | | | | | |
| | ·10 | | OOSE | 0-2 2-4 | SOFT | | | Relusarat | 13 166 | · L | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS | | | |
| | | • | | | | | | | | NDITIONS STATED (THAN THOSE PRESE | | | .o |
| | | | SUREMENTS AR | | , | . 5500 | | <u>-</u> | | | | | |
| | | | | | | | | | | | PROB | E No. | P-3 |

| Weston & Sampson | | | | | | | roject roject | JECT Name Name wn, MA | | RT OF Probe I SHEET Project No. CHKD BY | No. P-4 1 OF 1 2170709 Joseph Spencer | | |
|------------------|-------------|----------|------------------|-----------------|-----------------|----------------------|------------------|--------------------------------|-----------|--|--|--------------------|------------------|
| BORIN | G Co. | | New | England Ge | eotech | ı | BOR | ING LOCA | TION | 5 | See atta | ached | plan |
| FOREN | 1AN | | | Maynor | | GROUND SURFACE ELEV. | | | | | DATUM | | |
| WSE R | EP: | | | Taylor Smit | h | | DATI | START | | 11/1/17 | DATE | END | 11/1/17 |
| SAMPL | ER: | Geoprob | e 6610DT track | c mounted rig | | | | | GR | OUNDWATER | OBSE | RVAT | TIONS |
| | | | ampler 2.25 inc | | | DATE TIME WATER AT | | | | CASIN | IG AT | STABILIZATION TIME | |
| CASIN | G : | DT 22 2 | .25 inch PVC lir | ners w/o catche | er | | | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | 2.23 | | SAMPLE | Direct i usii | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| 0 | (2.01.0/11) | 1 | 48/60 | 0-5 | N/A | 0.3 | | ark brown silt | y SAND | with organics | | | TOPSOIL |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 5 – | | 2 | 48/60 | 5-10 | | 1.5 | | | | | | | |
| | | | 10/00 | 0 10 | | 1.5 | | | | | | | |
| | | | | | | | Ligh | | | ; trace silt, brick, | | | SAND FILL |
| | | | | | - | | | concrete, a | sh, fract | ured rock | | | O/MAD I ILL |
| 10 | | _ | F0/00 | 40.45 | | 2.5 | | | | | | | |
| | | 3 | 50/60 | 10-15 | | 3.5 | | | | | | | |
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| | GRANU | LAR SC | DILS | COHES | IVE SOILS | NOTE | S: | | | | | | |
| | WS/FT | | ENSITY | BLOWS/FT | DENSITY | | | EOB - End | d of Bo | ring | | | |
| _ |)-4 -10 | | LOOSE OOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| | -10 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| 0=1: | | <u> </u> | | > 30 | HARD | <u> </u> | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS NDITIONS STATED (| | | |
| | | * | | | | | | | | HAN THOSE PRESE | | | .OG. |
| | | | SUREMENTS AR | | | | | | | | | | |
| | | | | | | | | | | | PROB | E No. | P-4 |

| Weston & Sampson | | | | | | PROJECT REPORT OF Prob Project Name SHEET Project Name Project No. | | | SHEET | No. P-5 OF 1 2170709 | | | |
|-----------------------|-------------------|----------|--------------------------------|-----------------------|----------------------|--|--------------------|------------------------------|-----------|----------------------------|---------------------------|----------------|--------------------|
| | | | | | | | | wn, MA | | CHKD BY | | | oh Spencer |
| BORIN | | | New | England Ge | eotech | | | ING LOCA | | | See atta | ached | |
| FOREN WSE R | | | | Maynor Taylor Smit | h | GROUND SURFACE ELEV. DATE START 11/1/17 | | | | | DATE | END | DATUM 11/1/17 |
| SAMPL | ER: | Geoprob | e 6610DT track | c mounted rig | | | GROUNDWATER | | | | | RVAT | TIONS |
| CASIN | ~ . | | ampler 2.25 inc | | | | DATE TIME WATER AT | | | | CASING AT STABILIZATION 1 | | STABILIZATION TIME |
| CASIN | J. | D1 22 2 | .25 inch PVC lir | iers w/o catche | er | | | | | | | | |
| CASING | | 2.25 | | • | Direct Push | | | | | | | | |
| DEPTH (feet) | CASING (blows/ft) | No. | REC/PEN (in) | SAMPLE DEPTH (ft) | BLOWS/6" | PID (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| 0 | (Blowerit) | 1 | 48/60 | 0-5 | N/A | 0 | [| ark brown silt | y SAND | with organics | | | TOPSOIL |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 5 – | | 2 | 48/60 | 5-10 | | 0 | | | | | | | |
| | | | 48/60 | 5-10 | | 0 | | | | | | | |
| | | | | | | | Light | to dark brown rock, brick | | race silt, fractured | | | SAND FILL |
| 40 | | | | | | | | rook, brio | k, concre | ic, slag | | | |
| 10 – | | 3 | 48/60 | 10-15 | | 3.5 | | | | | | | |
| | | | | | | | | | | | | | |
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| 15 – | | | | | | | | | | | 1 | | |
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| | GRANU NS/FT | | DILS ENSITY | COHES BLOWS/FT | IVE SOILS DENSITY | NOTI | ES: | EOB - End | l of Bor | ina | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | | | LOD - Liic | 01 001 | iiig | | | |
| | -10 -30 | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| | -50 -50 | | DENSE | 4-8 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION | | | IMATE E | SOUNDA | ARY BETWEEN | SOIL TYP | PES. TRANSITIONS | MAY BE | GRADU <i>A</i> | AL. |
| | | * | | | | | | | | NDITIONS STATED | | | .OG. |
| | | | TUATIONS IN TH SUREMENTS AR | | KOUNDWATER MA | ay occi | אני DUE | IO OTHER FA | CIORST | HAN THOSE PRESE | :NI ATTH | 1⊨ IIMÉ | |
| | | | | | | | | | | | PROB | E No. | P-5 |

| Weston Sampson BORING Co. New England Geotech | | | | | | | PROJECT REPORT OF Probe I Project Name SHEET Project Name Project No. City/Town, MA CHKD BY | | | | No. P-6 1 OF 1 2170709 Joseph Spencer | | |
|--|---------------|---------|------------------|-----------------|-------------------|----------------------|---|----------------|-----------|--------------------|--|--------------------|------------------|
| BORIN | G Co. | | New | England Ge | eotech | • | BOR | ING LOCA | TION | ç | See atta | ached | plan |
| FOREN | | | | Maynor | | GROUND SURFACE ELEV. | | | | | DATUM | | |
| WSE R | EP: | | | Taylor Smit | h | | DATI | START | | 11/1/17 | DATE | END | 11/1/17 |
| SAMPL | .ER: | Geoprob | e 6610DT track | k mounted rig | | | | | GR | OUNDWATER | ROBSE | RVAT | TIONS |
| | | DT 22 S | ampler 2.25 inc | :h | | DATE TIME WATER AT | | | | CASIN | IG AT | STABILIZATION TIME | |
| CASIN | Э: | DT 22 2 | .25 inch PVC lir | ners w/o catche | er | | | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | 2.25 | | SAMPLE | Direct i usii | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| 0 | (0.0.1.0,1.1) | 1 | 48/60 | 0-5 | N/A | 1.2 | | ark brown silt | y SAND | with organics | | | TOPSOIL |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | Ligh | | | trace silt, brick, | | | |
| 5 – | | 2 | 48/60 | 5-10 | | 0.3 | | slag, con | crete, as | sh, coal | | | |
| | | | 10,00 | | | | | | | | | | |
| | | | | | | | | | | | | | SAND FILL |
| | | | | | | | | | | | | | |
| 10 | | 3 | 55/60 | 10-15 | | 3.5 | Light brown SAND; trace silt, brick, slag, concrete, ash, coal | | | | | | |
| | | Ť | 00,00 | | | 0.0 | | | | | | | |
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| | GRANU | AR SC | I DII S | COHES | IVE SOILS | NOTE | S· | | | | | | |
| | WS/FT | 1 | ENSITY | BLOWS/FT | DENSITY | | | EOB - End | l of Bor | ring | | | |
| 0 |)-4 | V. | LOOSE | 0-2 | V. SOFT | 1 | | | | - | | | |
| | -10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | | DENSE ENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS | | | |
| | | • | | | | | | | | NDITIONS STATED | | | .OG. |
| | | | SUREMENTS AR | | KOUNDWATEK M | AT UUUL | ık DÜE | TO OTHER FA | CIUKS I | HAN THOSE PRESE | ENTALIF | ic HIVIE | |
| WEAGUILINIO AIL WADE. | | | | | | | | | | | PROB | E No. | P-6 |
| | | | | | | | | | | | | | |

| | We | stor | n <mark>&</mark> S | amps | son | P P | roject | JECT Name Name wn, MA | | RT OF Probe I SHEET Project No. CHKD BY | No. 1 | 2 | P-7 OF 1 170709 oh Spencer | |
|----------------|-------------------|----------|-------------------------------------|----------------------|------------------|---------------|--------|--------------------------------|-------------|--|-----------|----------------|-------------------------------------|--------|
| BORIN FOREN | 1AN | | | England Ge Maynor | | | GRO | ING LOCA UND SURI | FACE E | ELEV. | See atta | | DATUM | |
| WSE R | EP: | | • | Taylor Smit | h | | DATE | START | | 11/1/17 | DATE | END | 11/1/17 | |
| SAMPL | ER: | | e 6610DT track | | | | | | | OUNDWATER | | | | |
| CASIN | G: | | ampler 2.25 inc .25 inch PVC lir | | er | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATIO | N TIME |
| 0, (0,1,1) | . | <u> </u> | .20 1110111 70 111 | ioro wyo oatoric | 51 | | | | | | | | | |
| CASING | SIZE: | 2.25 | | | Direct Push | | | | | | | | | |
| DEPTH | CASING (blows/ft) | No. | REC/PEN (in) | DEPTH (ft) | BLOWS/6" | PID (nnm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIF | PTION |
| (feet) | (DIOWS/II) | 1 | 48/60 | 0-5 | N/A | (ppm) | | ark brown silt | ty SAND | with organics | | | TOPSOIL | |
| | | | | | | | | | | | | | | |
| | | | | | | | Light | | SAN; tra | ace silt, brick, ash, | | | | |
| _ | | | | | | | | | , a. oa . o | | | | | |
| 5 – | | 2 | 48/60 | 5-10 | | 0 | | | | | | | | |
| | | | | | | | Da | ark brown SAI | ND; trace | silt, ash, slag, | | | | |
| | | | | | | | clinke | ers, fractured i | rock; rust | layer at 9-10 feet | | | SAND FILL | |
| 10 – | | | | | | | | | | | | | | |
| | | 3 | 60/60 | 10-15 | | 3.5 | | | | | | | | |
| | | | | | | | | Light brow | n SAND; | trace silt | | | | |
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| 15 – | | | | | | | | | | | - | | | |
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| | GRANU | LAR SO | OILS | COHES | IVE SOILS | NOTI | ES: | | | | | | | |
| BLO | WS/FT | D | ENSITY | BLOWS/FT | DENSITY | | | EOB - End | d of Bor | ring | | | | |
| - |)-4 -10 | | LOOSE OOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | | |
| 30 | -50 | D | ENSE | 8-15 | STIFF | | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION | | | I (IMATE E | BOUNDA | ARY BETWEEN | SOIL TYF | PES. TRANSITIONS | MAY BE (| GRADU <i>A</i> | AL. | |
| | 3. | • | | | | | | | | NDITIONS STATED | | | | |
| | | | | | ROUNDWATER MA | AY OCCI | JR DUE | TO OTHER FA | CTORS T | HAN THOSE PRESE | ENT AT TH | IE TIME | | |
| | | IVIEAS | SUREMENTS AR | L IVIAUE. | | | | | | | PROB | E No. | P-7 | |

| | We | stor | n <mark>&</mark> S | amps | son | P P | roject | JECT Name Name wn, MA | | RT OF Probe I SHEET Project No. CHKD BY | No. 1 | 2 | P-8 OF 1 170709 ph Spencer |
|--------------------------------|----------------|----------|------------------------|-------------------------------------|-------------------|--------|------------------|---------------------------------|------------|--|----------|-------|-------------------------------------|
| BORIN FOREN WSE R | 1AN | | | England Ge Maynor Taylor Smit | | | GRO | ING LOCA UND SURI E START | | | DATE | | DATUM |
| SAMPL | | Gooprob | e 6610DT track | • | · · | | <i>D</i> , () . | 1 | GR | OUNDWATER | _ | | |
| OAIVIF L | .LIV. | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASIN | 3 : | DT 22 2. | .25 inch PVC lir | ners w/o catche | er | | | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | 2.10011 40.1 | PID | | CAMPLE | DE00D | IDTION | | OTD | ATUM DECODURTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | DEPTH (ft) | BLOWS/6" | (ppm) | | SAMPLE | | | NOTES | SIR | RATUM DESCRIPTION |
| 0 | | 1 | 36/60 | 0-5 | N/A | 0.1 | | Oark brown silt | ty SAND | with organics | - | | TOPSOIL |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 5 – | | 2 | 24/60 | 5-10 | | 0 | | | | | | | |
| | | | 24/00 | 0 10 | | | | | | | | | |
| | | | | | | | Light t | | | race silt, concrete, | | | SAND FILL |
| | | | | | | | | frac | ctured roo | CK | | | |
| 10 – | | 3 | 60/60 | 10-15 | | 0 | | | | | | | |
| | | | | | | | | | | | | | |
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| 15 — | | | | | | | | | | | | | |
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| | GRANU NS/FT | 1 | DILS ENSITY | COHES BLOWS/FT | IVE SOILS | NOTI | ES: | EOB - End | d of Po- | ring | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | - | | LOD - LIIC | J 01 D01 | iiig | | | |
| | -10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | | DENSE ENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS | | | |
| | | • | | | | | | | | NDITIONS STATED (HAN THOSE PRESE | | | |
| | | MEAS | SUREMENTS AR | E MADE. | | | | | | | | | |
| | | | | | | | | | | | PROB | E No. | P-8 |

| PROJECT Project Name Project N | 1 OF 21707 Y Joseph Sp See attached plan DAT DATE END DATE CASING AT STA | TUM |
|--|---|------------------------|
| Project Name | | 709 pencer TUM 3/7/18 |
| City/Town, MA CHKD | | TUM |
| BORING Co. New England Geotech BORING LOCATION | See attached plan DAT DATE END ATER OBSERVATION: AT CASING AT STA | TUM |
| NAME | ATER OBSERVATION: AT CASING AT STA | UM |
| NSE REP: Taylor Smith DATE START 3/6/18 SAMPLER: Geoprobe 6610DT track mounted rig GROUNDW DT 22 Sampler 2.25 inch DATE TIME WATE CASING: DT 22 2.25 inch PVC liners w/o catcher UND WATE | ATER OBSERVATION: AT CASING AT STA | 3/7/18 S |
| SAMPLER: Geoprobe 6610DT track mounted rig GROUNDW DT 22 Sampler 2.25 inch DATE TIME WATE CASING: DT 22 2.25 inch PVC liners w/o catcher UND WATE UND WATE | ATER OBSERVATION: AT CASING AT STA | S |
| DT 22 Sampler 2.25 inch DATE TIME WATE DT 22 2.25 inch PVC liners w/o catcher | AT CASING AT STA | |
| CASING: DT 22 2.25 inch PVC liners w/o catcher | | BILIZATION TIME |
| | NOTES STRATUM | - |
| CASING SIZE: 2.25 Method Direct Push | NOTES STRATUM | |
| JASING SIZE: 2.25 Method Direct Push | NOTES STRATUM | |
| | NOTES STRATUM | |
| DEPTH CASING SAMPLE PID SAMPLE DESCRIPTION | | M DESCRIPTION |
| (feet) (blows/ft) No. REC/PEN (in) DEPTH (ft) BLOWS/6" (ppm) 6 inches wood chips | WOO | DD CHIPS |
| 0 1 40/60 0-5 N/A 0.1 | ****** | JD CHIES |
| Brown fine to medium SAND | l I sa | ND FILL |
| | | NDTILL |
| | \dashv | |
| Brown fine to medium SAND | | |
| 5 2 55/60 5-10 0.3 | | |
| | | |
| Tan medium SAND | | |
| | | SAND |
| 10 | | |
| 3 60/60 10-15 0.2 | | |
| Tan medium SAND; some silt | | |
| | | |
| | | |
| 15 EOB @ 15 feet BGS | | |
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| GRANULAR SOILS COHESIVE SOILS NOTES: | <u> </u> | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY EOB - End of Boring | | |
| 0-4 V. LOOSE 0-2 V. SOFT Took DUP1 here | | |
| 4-10 LOOSE 2-4 SOFT Converted to MW-101 | | |
| 10-30 M. DENSE 4-8 M. STIFF | | |
| 30-50 DENSE 8-15 STIFF | | |
| > 50 V. DENSE 15-30 V. STIFF > 30 HARD | | |
| SENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRAN | ITIONS MAY BE CRADIIAI | |
| GENERAL NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRAN | | |
| FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOS | | |

B-101

PROBE No.

MEASUREMENTS ARE MADE.

| | We | stor | n & S | amps | son | P P | roject roject | JECT Name Name wn, MA | | RT OF Probe I SHEET Project No. CHKD BY | No. 1 | 2 | B-102 OF 1 170709 oh Spencer |
|-----------|-----------------|---------|------------------|----------------|--------------------|---------|------------------|--------------------------------|-----------|--|------------|------------|---------------------------------------|
| BORIN | G Co. | | New | England Ge | eotech | | BOR | ING LOCA | TION | 5 | See atta | ached | plan |
| FOREN | 1AN | | | Maynor | | | GRO | UND SURF | | LEV. | | | DATUM |
| WSE R | EP: | | | Taylor Smit | h | | DATE | START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | .ER: | Geoprob | e 6610DT track | mounted rig | | | | | GR | OUNDWATER | | | |
| C 4 C N | ٥. | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASIN | J. | D1 22 2 | .25 inch PVC lir | ers w/o catche | er | | | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | 9 | SAMPLE | | PID | | SAMPLE | DESCR | IDTION | NOTES | СТВ | ATUM DESCRIPTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | DEPTH (ft) | BLOWS/6" | (ppm) | | | | | NOTES | SIK | |
| 0 | | 1 | 40/60 | 0-5 | N/A | 0.3 | 6 | inches brown | | | | | TOPSOIL |
| 0 | | ' | 40/60 | 0-5 | IN/A | 0.3 | | 6 Incr | nes conci | rete | | | SAND FILL |
| | | | | | | | | Link barre G | 4 | elicere CAND | | | 0,445 1 122 |
| | | | | | | | | Light brown fir | ne to me | dium SAND | | | |
| 5 – | | | 10/00 | - 10 | | 0.1 | | | | | | | |
| | | 2 | 40/60 | 5-10 | | 0.4 | | | | | | | |
| | | | | | | | | Tan m | edium S | AND | | | |
| | | | | | | | | | | | | | SAND |
| 10 | | | 55/00 | 40.45 | | 0.5 | | | | | | | O/ II VD |
| | | 3 | 55/60 | 10-15 | | 0.5 | | | | | | | |
| | | | | | | | | Tan mediun | n SAND; | some silt | | | |
| | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| | | | | | | | | EOB @ | 15 feet | BGS | | | |
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| | OD 41111 | A D 00 |) II O | 001150 | IV/E 00'' 0 | NOT | -0 | | | | | | |
| | GRANUI NS/FT | | DILS ENSITY | BLOWS/FT | IVE SOILS DENSITY | NOTE | :5: | EOB - End | of Ror | ina | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | 1 | | Converted | | • | | | |
| | -10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | | DENSE ENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 50 | | DENSE | 8-15 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS | | | |
| | | * | | | | | | | | NDITIONS STATED (HAN THOSE PRESE | | | .OG. |
| | | | SUREMENTS AR | | NOUNDWATER IVIA | ~1 000L | W DOE | IO OTHER FA | CIORSI | IIAN INOSE PRESE | .ivi Al íF | IC I IIVIE | |
| | | | | | | | | | | | PROB | E No. | B-102 |

| | We | stor | n & S | Samps | son | P P | roject | JECT Name Name wn, MA | REPO | RT OF Probe I SHEET Project No. CHKD BY | No. 1 | 2 | B-103 OF 1 170709 ph Spencer |
|-----------------------|-------------|--|------------------------------------|-----------------------|------------------|--------|--------|--------------------------------|-----------|--|----------|-------|---------------------------------------|
| BORIN | | | New | England Ge | eotech | | | ING LOCA | | | See atta | ched | |
| FOREN WSE R | | | | Maynor Taylor Smit | h | | | UND SURI E START | FACE I | =LEV. 3/6/18 | DATE | END | DATUM |
| SAMPL | ER: | Geoprob | e 6610DT trac | k mounted rig | | | | | GR | OUNDWATER | OBSE | RVA | TIONS |
| CASING | 3 : | | ampler 2.25 inc .25 inch PVC li | | er | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| | | | | | | | | | | | | | |
| CASING DEPTH | CASING | 2.25 | | Method SAMPLE | Direct Push | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPLE | DESCR | RIPTION | NOTES | STR | ATUM DESCRIPTION |
| 0 | | 1 | 50/60 | 0-5 | N/A | 0.1 | Da | (| organics | m SAND; some | | | TOPSOIL |
| | | | | | | | | Brown | medium | SAND | 1 1 | | |
| 5 – | | Dark brown fine to coarse SAND; some grabrick, glass | | | | | | | | | | | SAND FILL |
| 3 | | 2 | 2 40/60 5-10 0.2 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 – | | 3 20/60 10-15 0.1 Light brown fine to medium SAND; some | | | | | | | | | | | |
| | | 3 20/60 10-15 0.1 Light brown fine to medium SAND; some gravel | | | | | | | | o, ii vo, como oiii, | | | SAND |
| | | giavei | | | | | | | | | | | |
| 15 — | | | | | | | | EOB @ | 2 15 feet | BGS | 1 1 | | |
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| | GRANU | 1 | | | IVE SOILS | NOTE | ES: | FOD F | 1 - (D - | | | | |
| | VS/FT -4 | | ENSITY LOOSE | 0-2 | V. SOFT | | | EOB - End Converted | | | | | |
| | 10 -30 | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| 30 | -50 | D | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERA | L NOTES: | • | | | | | | | | PES. TRANSITIONS | | | |
| | | • | | | | | | | | NDITIONS STATED (THAN THOSE PRESE | | | |

PROBE No.

B-103

| | We | stoi | | amps | son | Р | roject | JECT Name Name wn, MA | | RT OF Probe I SHEET Project No. CHKD BY | No. 1 | 2 | B-104 OF 1 170709 oh Spencer |
|----------|------------|----------|------------------|----------------|-------------------|----------|--------|--------------------------------|----------|--|-----------|---------|---------------------------------------|
| BORIN | G Co. | | New | England Ge | eotech | | - | ING LOCA | | | See atta | ached | |
| FOREN | | | | Maynor | L | | - | UND SURI | FACE E | | DATE | END | DATUM |
| WSE R | | | | Taylor Smit | n | | DATI | START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | ER: | | oe 6610DT track | | | | • | | | OUNDWATER | T | | |
| C A CINI | ~. | | ampler 2.25 inc | | | | - | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASIN | J. | DT 22 2 | .25 inch PVC lir | ners w/o catch | er | | • | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | OAMBI E | DECOD | IDTION | NOTES | OTD | ATURA DECODURTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | DEPTH (ft) | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | SIR | ATUM DESCRIPTION |
| 0 | | | | | | | | 6 inches bro | | | | | TOPSOIL |
| | | 1 | 40/60 | 0-5 | N/A | 0.2 | (| 6 inches light b | orown me | edium SAND | | | |
| | | | | | | | | | | | | | |
| _ | | | | | | | Dark b | | | SAND; some brick, | | | SAND FILL |
| 5 – | | 2 | 55/60 | 5-10 | | 1.2 | 1 | C | concrete | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | 00 | NCRET | - | | | CONCRETE |
| 10 | | | | | | | | | | L | | | CONCRETE |
| 10 | | 3 | 60/60 | 10-15 | | 5.2 | Dark b | prown fine to n | nedium S | SAND; some brick, | | | CAND EILI |
| | | | | | | | | C | concrete | | | | SAND FILL |
| | | | | | | | | | | | | | |
| | | | | | | | | Grey SA | AND; sor | ne silt | | | SAND |
| 15 – | | | | | | | ł | | | | | | |
| | | | | | | | | EOB @ | 15 feet | BGS | 1 | | |
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| | GRANU | AD CC |) e | COLIEC | IVE SOILS | NOT | E 0 : | | | | | | |
| | NS/FT | | ENSITY | BLOWS/FT | DENSITY | INOT | ⊏3. | EOB - End | of Bor | rina | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | 1 | | Converted | | | | | |
| | -10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| | -30 | | DENSE | 4-8 9.15 | M. STIFF | | | | | | | | |
| | -50 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | 50 | . v. | DEINOL | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION | | | KIMATE E | BOUNDA | ARY BETWEEN | SOIL TYP | PES. TRANSITIONS | MAY BE | GRADUA | AL. |
| | | • | | | | | | | | NDITIONS STATED | | | .OG. |
| | | | | | ROUNDWATER M. | AY OCCI | UR DUE | TO OTHER FA | CTORS T | HAN THOSE PRESE | ENT AT TH | HE TIME | |
| | | WEAS | SUREMENTS AR | E MADE. | | | | | | | PROB | E No. | B-104 |
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| | We | sto | n <mark>&</mark> S | Samps | son | P P | roject | ECT Name Name vn, MA | REPO | RT OF Probe N SHEET Project No. CHKD BY | No. 1 | 2 | B-106 OF 1 170709 oh Spencer | |
|--------|--------------|----------|--------------------------------------|--------------------------|----------------|-----------|---------|--------------------------------|--------------------|--|-----------|--------|---------------------------------------|---------|
| BORIN | G Co. | | New | England G | eotech | | BOR | ING LOCA | TION | Ş | See atta | ached | plan | |
| FOREN | | | | Maynor | | | | UND SURF | | | | | DATUM | |
| WSE R | EP: | | | Taylor Smit | th | | DATE | START | | 3/6/18 | DATE | END | 3/7/18 | |
| CAMDI | CD. | 0 | h - 0040DT (| le accessor to all all a | | | | | | CDOLINDWA | TED O | DOED | VATIONS | |
| SAMPL | EK. | | be 6610DT trac | | | | • | DATE | TIME | GROUNDWA | 1 | | | TIME |
| CASING | 2. | | Sampler 2.25 ind 2.25 inch PVC li | | or | | • | DATE | IIIVIE | WATER AT | CASIN | NG AT | STABILIZATION ¹ | I IIVIE |
| CASIIV | J. | D1 22 2 | 2.23 | ners w/o catch | ei | | • | | | | | | | - |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | | |
| DEPTH | | | | | | DID | | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | SAMPLE DEPTH (ft) | BLOWS/6" | PID (nnm) | | SAMPLE | DESCR | RIPTION | NOTES | | STRATUM DESCRIPTI | ON |
| 0 | (DIOWS/II) | 140. | ICEO/I EIV (III) | DEI III (II) | BEOW5/0 | (ppm) | | 6 inches li | ight brow | m SAND | | RΔS | SEBALL DIAMOND | SAND |
| | | 1 | 50/60 | 0-5 | N/A | 0 | 6 inc | | | o medium SAND | | D/ (0 | DED/ILL DI/IMOND | 0/1110 |
| | | <u> </u> | 00/00 | 0.0 | 14// (| - | 0 1110 | 6 inches li | | | | | | |
| | | | | | | | Dai | k blown line t | o meala | m SAND, Some | | | | |
| | | | | | | | | | aravel | | | | | |
| | | | | | | | | | | m SAND; some | | | | |
| | | | | | | | | gravel; trace b | orick, coa | al ash, wood | | | | |
| 5 – | | 2 | 30/60 | 5-10 | | 0.3 | | | | | | | SAND FILL | |
| | | | | | | | | | | | | | | |
| | | | | | | | _ | | | | | | | |
| | | | | | | | Dar | rk brown fine t gravel; tra | | m SAND; some | | | | |
| 10 | | | | | | | | graver, tra | ce blick, | Coarasn | | | | |
| 10 – | | 3 | 60/60 | 10-15 | | 21.6 | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | Grey | silty SA | ND | | | SILTY SAND | |
| 15 – | | | | | | | | | | | | | | |
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| | CDANIII | | | COLIEC | 1)/F COIL C | NOTE | · C . | | | | | | | |
| | GRANU | | DENSITY | | IVE SOILS | NOTE | | EOD End | l of Poi | ring | | | | |
| | NS/FT)-4 | _ | LOOSE | BLOWS/FT 0-2 | V. SOFT | 1 | | EOB - End Petroleum | | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | i elioleuili | odoi p | i e serit | | | | |
| | -10 | | DENSE | 4-8 | M. STIFF | | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | | |
| | - |] | | > 30 | HARD | | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION | | ENT THE APPROX | IMATE BO | UNDAF | RY BETWEEN S | SOIL TYPE | ES. TRANSITIONS M | IAY BE GF | RADUAL | | |
| | | , | | | | | | | | IDITIONS STATED O | | | | |
| | | FLUC | CTUATIONS IN TH | HE LEVEL OF GI | ROUNDWATER MA | Y OCCUI | R DUE T | O OTHER FAC | TORS TH | IAN THOSE PRESEN | IT AT THE | TIME | | |
| | | MEA | SUREMENTS AR | E MADE. | | | | | | | | | | |
| | | | | | | | | | | | PROB | E No. | B-106 | |

| | We | stor | n & S | Samps | son | Pi Pi | roject | I <u>ECT</u> Name Name vn, MA | | RT OF Probe SHEET Project No. CHKD BY | | | B-106 OF 1 170709 ph Spencer |
|--------|-------------|----------|------------------|-----------------|------------------|----------|--------|--|-------------------------|---------------------------------------|--------------|--------|---------------------------------------|
| BORIN | G Co. | | New | England G | eotech | • | BOR | ING LOCA | TION | Ş | See atta | ached | plan |
| FOREN | | | | Maynor | | | | UND SURI | FACE E | ELEV. | | | DATUM |
| WSE R | EP: | | | Taylor Smit | h | | DATI | START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | ER: | Geoprob | oe 6610DT track | k mounted rig | | | | | GR | OUNDWATER | R OBSE | RVAT | ΓIONS |
| | | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | NG AT | STABILIZATION TIME |
| CASIN | 3: | DT 22 2 | .25 inch PVC lir | ners w/o catche | er | | | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | RATUM DESCRIPTION |
| 0 | | 1 | 50/60 | 0-5 | N/A | 0.7 | | Mediun | n brown S | SAND | | | TOPSOIL |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 5 – | | 2 | 20/60 | 5-10 | | 1.2 | Da | | to mediui bris, meta | m SAND; some | | | SAND FILL |
| | | | | | | | | uei | ons, med | aı | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 | | 3 | 35/60 | 10-15 | | 60.4 | | | BRICK | | 1 | | BRICK |
| | | | | | | | | | | | | | |
| | | | | | | | G | Frev fine to me | dium SA | .ND; some silt | | | SAND |
| | | | | | | | | , | | | | | 07 11 12 |
| 15 – | | | | | | | | EOR @ | 2 15 feet | BCS | - | | |
| | | | | | | | | LOD | g 13 1661 | 563 | | | |
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| | GRANUI | | | | IVE SOILS | NOTE | S: | EOD End | d of Dou | rina | | | |
| | NS/FT -4 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | 1 | | EOB - End Petroleum | | | | | |
| _ | ·10 | | OOSE | 2-4 | SOFT | | | | очо. р | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | ٧. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION | | | IMATE BO | DUNDA | RY BETWEEN | SOIL TYP | ES. TRANSITIONS | MAY BE G | RADUA | L. |
| | | | | | | | | | | IDITIONS STATED C | | | |
| | | FLUC | TUATIONS IN TH | HE LEVEL OF G | ROUNDWATER MA | AY OCCU | R DUE | TO OTHER FAC | CTORS TH | HAN THOSE PRESE | NT AT TH | E TIME | |
| | | MEAS | SUREMENTS AR | E MADE. | | | | | | | DD 0- | - N | D 400 |
| | | | | | | | | | | | PROB | E No. | B-106 |

| | We | stor | n & S | amps | son s | P P | roject roject | JECT Name Name wn, MA | | RT OF Probe SHEET Project No. CHKD BY | No. 1 | 2 | B-107 OF 1 170709 oh Spencer |
|---------|------------|-----------|------------------|-----------------|-----------------|--------|------------------|--------------------------------|------------|--|----------|----------|---------------------------------------|
| BORIN | G Co. | | New | England Ge | eotech | | BOR | ING LOCA | TION | (| See atta | ched | plan |
| FOREN | 1AN | | | Maynor | | | GRO | UND SURI | | | | | DATUM |
| WSE R | EP: | | • | Taylor Smit | <u>h</u> | | DATE | E START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | ER: | Geoprob | e 6610DT track | mounted rig | | | | | GR | OUNDWATER | ROBSE | RVAT | TONS |
| | | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASIN | 3 : | DT 22 2 | .25 inch PVC lir | ners w/o catche | er | | | | | | | | |
| CASING | SIZE. | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | 2.1001.1 40.1 | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| 0 | | | | | | | 6 in | ches dark brov | wn fine to | medium SAND | | | TOPSOIL |
| | | 1 | 25/60 | 0-5 | N/A | 0.1 | | 6 inches ta | an mediu | m SAND | - | | |
| | | | | | | | | | | | | | |
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| 5 – | | | | | | | | | | | | | |
| | | 2 | 30/60 | 5-10 | | 0.2 | | | | | | | |
| | | | | | | | Do | ule buoren fino 4 | م مم مطان | m SAND; some | | | SAND FILL |
| | | | | | | | Da | | , wood, r | , | | | SAND FILE |
| 10 | | | | | | | | | | | | | |
| | | 3 | 30/60 | 10-15 | | 0.2 | | | | | | | |
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| 15 – | | | | | | | | | | | | | |
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| | GRANU | LAR SC | DILS | COHES | IVE SOILS | NOTE | S: | | | | - | | |
| | NS/FT | | ENSITY | BLOWS/FT | DENSITY | | | EOB - End | of Bo | ring | | | |
| _ |)-4 -10 | | LOOSE OOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| 30 | -50 | D | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| CENED A | I NOTES: | !/ THE 0: | TDATIFICATION | > 30 | HARD | | י שואו ויי | DV BETWEEN | SON TV | PES. TRANSITIONS | MAVEE | יום אם ב | AI |
| OLINERA | LINUTES: | | | | | | | | | PES. TRANSITIONS NDITIONS STATED | | | |
| | | * | | | | | | | | HAN THOSE PRESI | | | |
| | | MEAS | SUREMENTS AR | E MADE. | | | | | | | | | D 407 |
| | | | | | | | | | | | PROB | E No. | B-107 |

| | We | stor | n & S | amps | SON | P P | roject roject | JECT Name Name wn, MA | | RT OF Probe N SHEET Project No. CHKD BY | No. 1 | 2 | B-108 OF 1 170709 oh Spencer |
|--|--------------|----------|------------------|-----------------|-------------------|---------|------------------|--------------------------------|-----------|--|-----------|------------|---------------------------------------|
| BORIN | G Co. | | New | England Ge | eotech | | BOR | ING LOCA | TION | 5 | See atta | ached | plan |
| FOREN | | | | Maynor | | | | UND SURF | FACE E | | | | DATUM |
| WSE R | EP: | | | Taylor Smit | h | | DATE | START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | .ER: | Geoprob | e 6610DT track | k mounted rig | | | | | GR | OUNDWATER | | | |
| C A CINI | ٥. | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASIN | J. | DT 22 2. | .25 inch PVC lir | ners w/o catche | er | | | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | , | SAMPLE | | PID | | CAMPLE | DECOD | IDTION | NOTEO | OTD | ATUM DECODIDATION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | DEPTH (ft) | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | SIK | ATUM DESCRIPTION |
| 0 | | 1 | 55/60 | 0-5 | N/A | 0.1 | | Dark brown fir | | | | | TOPSOIL |
| | | | | | | | | Brown r | medium S | SAND | | | |
| | | | | | | | | Dark brown fi | ine to co | arse SAND | | | |
| _ | | | | | | | | | | | | | |
| 5 – | | 2 | 50/60 | 5-10 | | 0.4 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | SAND FILL |
| 4.0 | | | | | | | Dark b | prown fine to c | oarse SA | AND; some gravel; | | | |
| 3 40/60 10-15 5.6 trace light brown sa | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 15 – | | | | | | | | EOB @ | 15 feet | BGS | | | |
| | | | | | | | | | | | | | |
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| 20 – | | | | | | | | | | | | | |
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| 25 – | | | | | | | | | | | | | |
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| 30 – | | | | | | | | | | | | | |
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| | GRANUI | AR SC | DILS | COHES | IVE SOILS | NOTE | S: | | | | | | |
| | NS/FT | | ENSITY | BLOWS/FT | DENSITY | | -0. | EOB - End | of Bor | ing | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | | | Petroleum | odor p | resent | | | |
| | -10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | | DENSE ENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS | | | |
| | | , | | | | | | | | NDITIONS STATED (HAN THOSE PRESE | | | .OG. |
| | | | SUREMENTS AR | | NOUNDWATER IVI | 11 0000 | N DOE | TO OTHER FA | CIONSI | HAN IIIOGE FREGE | NI /\I 1F | IL I IIVIE | |
| | | | | | | | | | | | PROB | E No. | B-108 |

| | We | stor | n <mark>&</mark> S | amps | SON | P P | roject roject | J <u>ECT</u> Name Name wn, MA | | RT OF Probe N SHEET Project No. CHKD BY | No. 1 | 2 | B-109 OF 1 170709 oh Spencer |
|--------|--------------|---------|------------------------|-------------------|-----------------|--------|------------------|--|-----------------------|--|----------|-------|---------------------------------------|
| BORIN | G Co. | | New | England Ge | eotech | | BOR | ING LOCA | TION | 5 | See atta | ched | plan |
| FOREN | | | | Maynor | | | | UND SURF | | | | | DATUM |
| WSE R | EP: | | | Taylor Smit | h | | DATE | START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | .ER: | Geoprob | e 6610DT track | c mounted ria | | | | | GR | OUNDWATER | OBSE | RVAT | IONS |
| | | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASIN | 3 : | DT 22 2 | .25 inch PVC lir | ners w/o catche | er | | | | | | | | |
| | | | | | | | | | | | | | |
| CASING | | 2.25 | | | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) 40/60 | DEPTH (ft) 0-5 | BLOWS/6" N/A | (ppm) | | Doult has | بنائم مناند | CAND | | | TOPSOIL |
| U | | - ! | 40/60 | 0-5 | IN/A | 0.1 | | | own silty medium s | | | | TOPSOIL |
| | | | | | | | | | | | | | |
| | | | | | | | Dark | | | AND; some brick, | | | |
| 5 – | | | | | | | | WI | ire, glass | i | | | |
| 3 | | 2 | 15/60 | 5-10 | | 0.4 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | SAND FILL |
| | | | | | | | Dark h | rown fine to c | narca S/ | AND; some gravel, | | | |
| 10 – | | 3 | 20/60 | 10-15 | | 7.8 | Daik | | , wire, gla | | | | |
| | | | 20,00 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 15 – | | | | | | | | | | | | | |
| | | | | | | | | EOB @ | 15 feet | BGS | | | |
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| 20 – | | | | | | | | | | | | | |
| 20- | | | | | | | | | | | | | |
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| 25 – | | | | | | | | | | | | | |
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| 30 – | | | | | | | | | | | | | |
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| | GRANU | 1 | | | IVE SOILS | NOTI | -S: | EOP [| l of Da | ring | | | |
| | NS/FT)-4 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | 1 | | EOB - End | i Oi BOI | ıııg | | | |
| | · 10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| 051:55 | L NOTE: | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS NDITIONS STATED (| | | |
| | | * | | | | | | | | HAN THOSE PRESE | | | |
| | | | SUREMENTS AR | | | | | | 2 | | | | |
| | | | | | | | | | | | PROB | E No. | B-109 |

| | We | stor | n & S | amps | SON | P P | roject roject | JECT Name Name wn, MA | | RT OF Probe N SHEET Project No. CHKD BY | No. 1 | 2 | B-110 OF 1 170709 oh Spencer |
|--------|--------------|----------|------------------|-----------------|------------------|----------|------------------|--------------------------------|--------------|--|----------|-------|---------------------------------------|
| BORIN | G Co. | | New | England Ge | eotech | <u>I</u> | BOR | ING LOCA | TION | S | See atta | ched | plan |
| FOREN | | | | Maynor | | | | UND SURF | | | | | DATUM |
| WSE R | EP: | | | Taylor Smit | h | | DATI | E START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | .ER: | Geoprob | e 6610DT track | k mounted rig | | | | | GR | OUNDWATER | OBSE | RVAT | TONS |
| | | DT 22 S | ampler 2.25 inc | :h | | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASIN | G: | DT 22 2. | .25 inch PVC lir | ners w/o catche | er | | ı | | | | | | |
| CASING | SIZE. | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | 2.20 | | SAMPLE | Direct i dell | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| 0 | | 1 | 55/60 | 0-5 | N/A | 0.1 | | Brown fine | to mediu | ım SAND | | | TOPSOIL |
| | | | | | | | | Brown r | medium S | SAND |] | | |
| | | | | | | | | | | | | | |
| | | | | | | | Dark h | orown fine to n | nedium S | SAND; some brick, | | | SAND FILL |
| 5 – | | 2 | 34/60 | 5-10 | | 0.4 | Dank | | avel, coa | | | | 9 712 1 122 |
| | | | | | | | | | | | | | |
| | | | | | | | | | DDIOK | | | | PDIOK |
| | | | | | | | | | BRICK | | | | BRICK |
| 10 | | 3 | 40/60 | 10-15 | | 0.3 | | | | | | | |
| | | | | | | | | Mediu | m tan SA | 7ND | | | SAND |
| | | | | | | | | Wicara | iiii taii Oi | | | | OAND |
| | | | | | | | | | | | | | |
| 15 – | | | | | | | | EOB @ | 15 feet | BGS | | | |
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| 20 – | | | | | | | | | | | | | |
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| 25 – | | | | | | | | | | | | | |
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| | GRANUI | AR SC | OILS | COHES | IVE SOILS | NOT | S: | | | | | | |
| | NS/FT | D | ENSITY | BLOWS/FT | DENSITY | | | EOB - End | of Bor | ing | | | |
| | 1-4 | | LOOSE | 0-2 | V. SOFT | | | | | | | | |
| | -10 -30 | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| | 1-50 1-50 | | ENSE | 8-15 | STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS NDITIONS STATED (| | | |
| | | , | | | | | | | | HAN THOSE PRESE | | | .00. |
| | | | SUREMENTS AR | | | | | | | | | | |
| | | | | | | | | | | | PROB | E No. | B-110 |

| | We | stoi | n & S | amps | son s | P P | roject roject | JECT Name Name wn, MA | | RT OF Probe I SHEET Project No. CHKD BY | No. B-111 1 OF 1 2170709 Joseph Spencer | | |
|------------|-----------------|----------|-----------------------|-----------------|----------------------|---|-------------------|--------------------------------|--------------|--|--|----------|--------------------|
| BORIN | G Co | | New | England Ge | eotech | | BOR | ING LOCA | TION | 9 | See atta | ached | nlan |
| FOREN | | | 11011 | Maynor | 00.001. | | | UND SURF | | | oo and | aciio a | DATUM |
| WSE R | EP: | | | Taylor Smit | h | | DATI | E START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | ER: | Geoprob | e 6610DT track | k mounted ria | | | | | GR | OUNDWATER | OBSE | RVAT | TIONS |
| | | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASIN | Э: | DT 22 2 | .25 inch PVC lir | ners w/o catche | er | | | | | | | | |
| 0.4.014.10 | . 0.75 | | | | | | | | | | | | |
| CASING | | 2.25 | | l l | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) 50/60 | 0-5 | BLOWS/6" N/A | (ppm) | | Brown fine | بالم مم مطان | ···· CAND | | | TOPSOIL |
| U | | - | 30/60 | 0-5 | IN/A | 0.1 | | | nedium (| | | | TOPSOIL |
| | | | | | | | | DIOWITI | nealann | SAND | | | |
| | | | | | | | | | | | | | |
| 5 – | | | | | | | - | | | | | | SAND FILL |
| 3 | | 2 | 50/60 | 5-10 | | 0.2 | Dark | brown fine to | coarse S | SAND; some coal | | | OAND FILE |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | 1 1 | | |
| 10 – | | 3 | 50/60 | 10-15 | | 0.4 | | Brown r | nedium S | SAND | | | |
| | | | | | | | | | | | | | SAND |
| | | | | | | | | | | | | | SAND |
| | | | | | | | | Grey m | edium S | SAND | | | |
| 15 – | | | | | | | | FOD 6 | 456 | 200 | | | |
| | | | | | | | EOB @ 15 feet BGS | | | | | | |
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| 20 – | | | | | | | | | | | | | |
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| | 00.45 | A D 0 1 | \ | 00::50 | N/E 00'' 0 | NOT | - 0 | | | | | | |
| | GRANUI NS/FT | 1 | DILS ENSITY | BLOWS/FT | IVE SOILS DENSITY | NOTE | :5: | EOB - End | l of Po | ring | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | | | EOD - EIIC | i Oi BOI | iiig | | | |
| - | -10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| OENED . | LNOTES | a ====== | TD 4 TIEIO 4 T 2 | > 30 | HARD | (15.4.6.77.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7. | 01.11.12 | NOV DETICES: | 00" = | DEO TRANSFERS | MANGE | OD 45:11 | \ <u>\</u> |
| GENEKA | L NOTES: | | | | | | | | | PES. TRANSITIONS NDITIONS STATED (| | | |
| | | • | | | | | | | | HAN THOSE PRESE | | | |
| | | | SUREMENTS AR | | . = | | | | | | | | |
| | | | | | | | | | | | PROB | E No. | B-111 |

| | We | stor | n & S | amps | son sm | P P | roject roject | <u>IECT</u> Name Name vn, MA | | RT OF Probe N SHEET Project No. CHKD BY | No. B-112 OF 1 2170709 Joseph Spencer | | | | |
|--|-----------------|-------|-----------------------|-------------------|----------------------|--------------|--|---------------------------------------|----------|--|---------------------------------------|-------|--------------------|--|--|
| BORIN | G Co. | | New | England Ge | eotech | | BOR | ING LOCA | TION | 5 | See atta | ached | plan | | |
| FOREM | | | | Maynor | | | | UND SURF | FACE E | ELEV. | | | DATUM | | |
| WSE R | EP: | | | Taylor Smit | h | | DATE | START | | 3/6/18 | DATE | END | 3/7/18 | | |
| SAMPL | ER: | | e 6610DT track | | | | | | | OUNDWATER | | | | | |
| DT 22 Sampler 2.25 inch CASING: DT 22 2.25 inch PVC liners w/v | | | | | or | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME | | |
| 0, 10111 | . | DIZZZ | .20 110111 10 111 | icis w/o catori | <u> </u> | | | | | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) 35/60 | DEPTH (ft) 0-5 | BLOWS/6" N/A | (ppm) 0.2 | | | | | | | | | |
| U | | - | 33/60 | 0-5 | IN/A | 0.2 | | | | | | BAS | EBALL DIAMOND | | |
| | | | | | | | | Brown r | nedium S | SAND | | SAND | | | |
| | | | | | | | | | | | | | | | |
| 5 – | | 2 | 40/60 | 5-10 | | 0.1 | Dark brown fine to coarse SAND; some brick, gravel | | | | | | | | |
| | | | 40/00 | 5-10 | | 0.1 | | | giavoi | | | | CAND EU I | | |
| | | | | | | | Brown fine to medium SAND; some brick, gravel | | | | | | SAND FILL | | |
| | | | | | | | | | | | | | | | |
| 10 | | 3 | 55/60 | 10-15 | | 0.2 | | | | | | | | | |
| | | | 00/00 | 10 10 | | 0.2 | | | | | | | | | |
| | | | | | | | | Tan m | edium S | AND | | | SAND | | |
| | | | | | | | | | | | | | | | |
| 15 – | | | | | | | | EOB @ | 15 feet | BGS | | | | | |
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| | OD **** | 45.53 | | | N/E 00" 3 | No= | | | | | | | | | |
| | GRANUI NS/FT | | ENSITY | BLOWS/FT | IVE SOILS DENSITY | NOT | =5: | EOB - End | l of Bor | ina | | | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | | | LOD LIIO | 1 01 D01 | 9 | | | | | |
| | -10 | | OOSE | 2-4 | SOFT | | | | | | | | | | |
| |)-30)-50 | | DENSE ENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | | | |
| | 50 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | | | |
| GENERA | L NOTES: | | | | | | | | | PES. TRANSITIONS | | | | | |
| | | * | | | | | | | | NDITIONS STATED (HAN THOSE PRESE | | | .UG. | | |
| | | | SUREMENTS AR | | | 5550 | 502 | . J JERTA | | | | | | | |
| | | | | | | | | | | | PROB | E No. | B-112 | | |

| | We | sto | n&S | amps | son | Pi Pi | PROJECT Project Name REPORT OF Probe No. B- Project Name Project Name SHEET 1 OF Project Name City/Town, MA Project No. 2170709 CHKD BY Joseph Spend | | | | | | 170709 |
|-----------------------|-------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------|--------------|--|---------------------|-----------|------------------|-----------|---------|--------------------|
| BORIN | | | New | England Ge | eotech | | | ING LOCA | | | See atta | ached | |
| FOREM WSE R | | | | Maynor Taylor Smit | h | | | UND SURF E START | FACE E | ELEV. 3/6/18 | DATE | END | DATUM |
| | | | | | 11 | | DAII | START | | | | | |
| SAMPL | ER: | | be 6610DT track | | | | | DATE | | OUNDWATER | | | |
| CASING | 3 : | | Sampler 2.25 inc 2.25 inch PVC lir | | er | | | DATE | TIME | WATER AT | CASIN | IG A I | STABILIZATION TIME |
| | | | | | | | | | | | | | |
| CASING | | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH (feet) | CASING (blows/ft) | No. | REC/PEN (in) | DEPTH (ft) | BLOWS/6" | PID (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | ATUM DESCRIPTION |
| 0 | (2.01.0/11) | 1 | 40/60 | 0-5 | N/A | 0.1 | | Dark brown fi | ne to me | dium SAND | | | TOPSOIL |
| | | | | | | | | Light brow | n mediui | m SAND | | | SAND FILL |
| | | | | | | | | Dark brown f | ine to co | arse SAND | | | O/MVD TILL |
| | | | | | | | | CC | NCRET | E | | | CONCRETE |
| 5 | | 2 | 30/60 | 5-10 | | 0.2 | | | | | - | | |
| | | | 00.00 | | | | 0.2 | | | | | | |
| | | | | | | | | brown fine to | | AND; some brick, | | | SAND FILL |
| | | | | | | | | | stone | | | | |
| 10 | | 3 | 50/60 | 10-15 | | 0.1 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | Grey/brow | n mediui | m SAND | | | SAND |
| | | | | | | | | | | | | | |
| 15 | | | | | | | | EOB @ | 15 feet | BGS | 1 | | |
| | | | | | | |] | | | | | | |
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| 0.5 | | | | | | | | | | | | | |
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| | GRANU | | | | IVE SOILS | NOTE | S: | | 1 of D - | | | | |
| | VS/FT -4 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | 1 | | EOB - End | 1 OL ROI | ırıg | | | |
| | 10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| > | JU | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | DENSE | > 30 | V. STIFF HARD | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION | | | (IMATE B | OUNDA | ARY BETWEEN | SOIL TYP | PES. TRANSITIONS | MAY BE | GRADUA | AL. |
| | | , | | | | | | | | NDITIONS STATED | | | LOG. |
| | | | CTUATIONS IN TH SUREMENTS AR | | ROUNDWATER MA | AY OCCU | IR DUE | TO OTHER FA | CTORS T | HAN THOSE PRESE | ENT AT TH | HE TIME | |
| | | WEA | OUNCIVIEIN I S AK | L IVIAUE. | | | | | | | PROB | E No. | B-113 |
| | | | | | | | | | | | | | |

| | We | stoi | n&\S | Samps | son | Pr Pr | PROJECT REPORT OF Probe No. B Project Name SHEET 1 OF Project Name Project No. 2170709 City/Town, MA CHKD BY Joseph Spen | | | | | | 170709 |
|---|------------|------------|-----------------|-----------------|-----------------|------------|--|----------------|----------|-----------------------------------|----------|--------------------|--------------------|
| BORIN | G Co. | | New | England Ge | eotech | | | ING LOCA | | | See atta | ached | |
| FOREN | | | | Maynor | | | | UND SURF | FACE E | | | = | DATUM |
| WSE R | | | | Taylor Smit | n | | DATE | START | | 3/6/18 | DATE | END | 3/7/18 |
| SAMPL | .ER: | Geoprob | oe 6610DT track | k mounted rig | | | | | GR | OUNDWATE | | | |
| 0 A OINI | 2 | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASING: DT 22 2.25 inch PVC liners w/o cate | | | | ners w/o catche | er | | | | | | + | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | SAMPLE PID | | | | | | | IDTION | | 0.70 | ATURA DEGODIDATION | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPLE | DESCR | IPTION | NOTES | STR | RATUM DESCRIPTION |
| 0 | | 1 | 40/60 | 0-5 | N/A | 0.1 | | Dark brown fir | ne to me | dium SAND | | | TOPSOIL |
| | | | | | | | | Brown r | medium S | SAND | | | |
| | | | | | | | | Dark brown fi | | diama CAND | | | SAND FILL |
| | | | | | | | | Dark brown III | ne to me | dium SAND | | | |
| 5 – | | 2 | 45/60 | 5-10 | | 0.2 | | | | | 1 | | |
| | | | 2.30 | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 – | | 3 | 50/60 | 10-15 | | 0.2 | | Tan m | edium S | AND | | | SAND |
| | | <u> </u> | 30/00 | 10-13 | | 0.2 | | | | | | | |
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| 15 – | | | | | | | | | | | | | |
| | | | | | | | EOB @ 15 feet BGS | | | | | | |
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| | GRANU | LAR SC | DILS | COHES | IVE SOILS | NOTE | S: | | | | | | |
| | WS/FT | | ENSITY | BLOWS/FT | DENSITY | 4 | | EOB - End | | ring | | | |
| - |)-4 -10 | | LOOSE .OOSE | 0-2 2-4 | V. SOFT SOFT | | | Petroleum | odor | | | | |
| | -10 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | , | | | | | | | | PES. TRANSITIONS | | | |
| | | • | | | | | | | | NDITIONS STATED HAN THOSE PRES | | | |
| | | | SUREMENTS AR | | , | . 50001 | | <u>-</u> | | | | | |
| | | | | | | | | | | | PROB | E No. | B-114 |

| | | | | | | PROJECT REPORT OF BORING NO | | | | G No. | | B-A-1 | | | |
|-------------|--------------|-----|-----------|----------------|------------------|-----------------------------|----------|--|---|-------------|-----------------------|--------|--------------------------|---------------------|--|
| 1 | 11/ | 20 | ton | 22/00 | ampso | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 | |
| | WE | 35 | 1011 | 0)30 | ar ipsc | ווכ | | | ville, MA | | Project No. | | 2180123 | | |
| | | | | | | | | 7011101 | VIIIO, 1VII (| | CHKD BY | | | eph Spencer | |
| BORING | G Co. | | | | NE Geote | ch | • | BOR | ING LOCATIO | N | | See | attache | ed plan | |
| FOREM | 1AN | | | | Maynor | | | | UND SURFAC | | | | | DATUM | |
| WSE RE | EPRE | SEN | ITATIVE | : | | Taylor Smith | | DATE | START | | 7/24/18 | DATE E | END | 7/24/18 | |
| SAMPL | ER: | | Geoprob | e 6610DT trad | ck mounted rig | 1 | | | | | GROUNDWA [*] | TER OB | SERVA | TIONS | |
| | _ | | | ampler 2.25 in | | | | - | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME | |
| CASING | G: | | DT 22 2. | 25 inch PVC I | iners w/o catch | ner | | - | N/A | | | | | | |
| CASING | SIZI | E: | 2.25 | | Method | Direct Push | | - | | | | | | | |
| DEPTH | CAS | ING | | | SAMPLE | PID | | 04145 | E DE00 | DIDTION | | NOTES | OTDATI ILA DECODIDITIONI | | |
| (feet) | (blow | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPL | LE DESC | | | NOTES | STRATUM DESCRIPTION | |
| | N. | A | S-1 | 45/60 | 0-5 | | N/A | | | Topso | il | | | TOPSOIL | |
| | | | | | | | | | | | | | | | |
| | | | | | | † | | | Brown fine to | | | ne | | | |
| 5 - | | | | | | | | 1 | concrete | , trace | coal, brick | | | | |
| Ü | | | S-2 | | 5-10 | | | | | | | | | | |
| | | | | | | | | | Concrete Dark brown fine SAND Tan medium SAND Gray fine to medium fine SAND; petroleum staining | | | | | | |
| | | | | | | | | | | | | | | FILL | |
| 10 🗕 | | | | | | | | | | | | | I ILL | | |
| | | | S-3 | | 10-15 | | | Gra | | | leum | | | | |
| | | | | | | | | | | Stall III I | 9 | | | | |
| | | | | | | | | 1 | Gray r | medium | | | | | |
| 15 – | | | S-5 | | 15.00 | | | | | | | | | | |
| | | | S-3 | | 15-20 | | | | Brown fin | e to co | arse SAND | | | | |
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| | | | | | | | | | | Tan SIL | Т. | | | SILT | |
| 20 - | | | | | | | | | FOF | 3 @ 20 ft | . BGS | | | | |
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| DI O | GRA WS/FT | | LAR SO | ILS ENSITY | COHE BLOWS/FT | SIVE SOILS DENSITY | NOTES | | boring | | | | | | |
| |)-4 | | | LOOSE | 0-2 | V. SOFT | Petrole | | 0 | | | | | | |
| 4- | -10 | | L | OOSE | 2-4 | SOFT | | | | | | | | | |
| | 0-30 | | | DENSE | 4-8 | M. STIFF | | | | | | | | | |
| |)-50 · 50 | | | ENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | | |
| | _ | | _ *. | | > 30 | HARD | | | | | | | | | |
| GENERAI | L NOT | ES: | i) THE ST | RATIFICATION L | INES REPRESEN | IT THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | TONS MAY BE GRA | ADUAL. | | | |
| | | | | | | MADE IN THE DRILL | | | | | | | | | |
| | | | | UREMENTS ARE | | OUNDWATER MAY C | CCUK DUE | 10011 | TER FACIORS IHA | IN IMUSE | rneseini Al IHE | IIIVIE | | | |

B-A-1

BORING No.

| | | | | | | | PROJECT REPORT OF BORING No. B-A-5 | | | | | | B-A-5 | |
|--|-------------------------|-----------|-----------------|--------------------|-------------------|-------------------|------------------------------------|------------------|-------------|------------------|--------|--|---------------------|--|
| 1 | 1/00 | ton | 2000 | ampso | SM | Conway Park SHEET | | | | | 1 | OF 1 | | |
| | wes | IOII | 0)50 | ampsc | ווכ | | | ille, MA | Project No. | | | | | |
| | | | | | | | nner v | ville, iviA | | CHKD BY | | | | |
| BORING | 3 Co | | | NE Geote | ch | F | RORI | NG LOCATIO | NI | ' | See : | attache | d plan | |
| FOREM | | | | Maynor | | | | UND SURFAC | | <i>I</i> . | 000 | | | |
| WSE RE | PRESE | NTATIVE | : | | Taylor Smith | | DATE | START | | 7/27/18 | DATE E | | 7/27/18 | |
| SAMPL | ER: | Geoprob | ne 6610DT tra | ck mounted rig | 1 | | GROUNDWATER OBSERVATIONS | | | | | | | |
| | DT 22 Sampler 2.25 inch | | | | | | | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME | |
| CASING | 3: | DT 22 2 | .25 inch PVC I | iners w/o catcl | ner | | | N/A | | | | | | |
| CASING | CIZE: | 2.25 | | Method | Direct Push | | | | | | | | | |
| | | 2.25 | DID | | | | | | | | | | | |
| DEPTH (feet) | CASING (blows/ft) | No. | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION | |
| (1001) | NA | S-1 | 1120/1 211 (11) | 0-5 | 220110,0 | N/A | | | Topsoi | il | | | TOPSOIL | |
| | | | | | | | | Tan me | edium S | SAND fill | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 5 — | | S-2 | | 5-10 | | | | | | | | | | |
| | | 0 = | | 0.0 | | | | Dark brown fi | ne to c | ill | | FILL | | |
| | | | | | | | | | | | | 2180123 Joseph Spencer attached plan DATUM END 7/27/18 BSERVATIONS NG AT STABILIZATION TIME NOTES STRATUM DESCRIPTION | | |
| | | | | | | | | | | | | SAND | | |
| 10 | | S-3 | | 10-15 | | | | | | | | | | |
| | | 0-0 | | 10 10 | | <u> </u> | | | | | | | | |
| | | | | | | | | Gravi | madium | n SAND | | | SAND | |
| | | | | | | | | Gley i | nediun | IOAND | | | SAND | |
| 15 | | | | | | - | | FOR | 3 @ 15 ft. | RGS | | | | |
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| | ▼ GRANU | | II S | COLLE | SIVE SOILS | NOTES: | | | | | | | | |
| BLO | NS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- Er | | borina | | | | | | |
| 0 | -4 | V. | LOOSE | 0-2 | V. SOFT | 1 | | 5 | | | | | | |
| | 10 | | OOSE | 2-4 | SOFT | | | | | | | | | |
| | -30 | | DENSE | 4-8 9.15 | M. STIFF | | | | | | | | | |
| 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | | |
| GENERAL | NOTES: | i) THE ST | RATIFICATION L | INES REPRESEN | NT THE APPROXIMAT | E BOUNDAR | Y BETV | WEEN SOIL TYPES. | TRANSIT | TIONS MAY BE GRA | DUAL. | | | |
| | | | | | MADE IN THE DRILL | | | | | | | | | |
| | | FLUC | TUATIONS IN TH | | OUNDWATER MAY O | CCUR DUE T | О ОТН | IER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | | |

BORING No.

B-A-5

| | | | | | | PRC | <u>JECT</u> | RT OF BORIN | G No. | | B-A-7 | | | |
|-----------------|--------------------|---------|----------------------------------|--------------------|--------------------------------------|--------------|--------------------|----------------|-------------|--------------------|------------------|---------|-----------------------------|--|
| 1 | 1/00 | oton | (F) S | ampso | SM | | Conw | ay Park | SHEET | | | | OF 1 | |
| | VVC | | (0)00 | al ripsc | <i>)</i> | | | ville, MA | Project No. | | | 2180123 | | |
| | | | | | | | | | | CHKD BY | | Jose | eph Spencer | |
| BORING | | | | NE Geote | | | | ING LOCATIO | | | See | | ed plan | |
| FOREM | | NTATIV | F. | Maynor | Taylar Ossith | | | UND SURFAC | | | | | DATUM 7/07/10 | |
| | | INIAIIV | E; | | Taylor Smith | | DATE | START | | 7/27/18 | DATE E | | 7/27/18 | |
| SAMPL | ER: | | be 6610DT tra Sampler 2.25 ir | ck mounted rig | | | - | DATE | TIME | GROUNDWA' WATER AT | TER OB: CASIN | | TIONS STABILIZATION TIME | |
| CASING | Э: | | | liners w/o catch | ner | | - | N/A | TIIVIE | WATER AT | CASIN | GAI | STABILIZATION TIME | |
| | | | | | | | - | , | | | | | | |
| CASING | | 2.25 | | Method | Direct Push | | | | | | | | | |
| DEPTH (feet) | CASING (blows/f | | REC/PEN (in | SAMPLE DEPTH (ft.) | BLOWS/6" | PID | SAMPLE DESCRIPTION | | | | | NOTES | STRATUM DESCRIPTION | |
| (leet) | NA | S-1 | NLC/FLIN (III) | 0-5 | BLOWS/0 | (ppm) N/A | | | _ | | | | TOROGU | |
| | | | | | | | | | Topso | ıll | | | TOPSOIL | |
| | | | | | | | - | | | | | | | |
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| | | S-3 | | 10-15 | | | - | | | | | | | |
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| 15 – | _ | | | + | | | | FOR | 3 @ 15 ft | BGS | | | | |
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| | | ULAR SO | | 1 | SIVE SOILS | NOTES | | | | | | | | |
| | WS/FT)-4 | _ | DENSITY . LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- I | End of | boring | | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | | |
| | -30 | | . DENSE | 4-8 | M. STIFF | | | | | | | | | |
| |)-50 50 | | DENSE . DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | | |
| | | | . 52, 102 | > 30 | HARD | | | | | | | | | |
| GENERAL | NOTES | , | | | IT THE APPROXIMAT | | | | | | | | | |
| | | | | | MADE IN THE DRILL DUNDWATER MAY C | | | | | | | | | |
| | | | SUREMENTS ARI | | POINDWATER MAY C | OCON DUE | . 10 016 | ILITACIONS IHA | 11 IUO9E | I NEOCINI AT THE | I IIVIE | | | |

B-A-7

BORING No.

| | | | | | | PROJ | <u>ECT</u> | RT OF BORIN | G No. | | B-A-9 | | |
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| 1 | 1/00 | ton | (&) Sc | mpoc | SM | | יסטעמי | y Park | | SHEET | | 1 | OF 1 |
| | WES | | (0)00 | inpsc | Л | | | lle, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geoted | ch | Е | BORIN | IG LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | IND SURFAC | | | | | DATUM |
| WSE RE | EPRESE | NTATIV | E: | | Γaylor Smith | | DATE : | START | | 7/27/18 | DATE I | END . | 7/27/18 |
| SAMPL | ER: | Geopro | be 6610DT trac | ck mounted rig | | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| 0.4.014.14 | _ | _ | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | :ف | DT 22 2 | 2.25 inch PVC li | ners w/o catch | er | | ┢ | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | ŀ | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | OAME | U E DE00 | DIDTION | | NOTEO | OTDATI IM DECODIDITION |
| (feet) | (blows/ft | | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAIVIP | LE DESC | | | NOTES | STRATUM DESCRIPTION |
| | NA - | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | - | | | | + | | Light brow | ın medii | um SAND fill | | | |
| | | - | | | | | | | | | | | |
| 5 - | | | | | | | | | | | | | |
| Ü | | S-2 | | 5-10 | | 1 | | | | | | | FILL |
| | | | | | | | [| Dark brown f | fine to c | | | | |
| | | | | | | | | | | | | | |
| 10 🗕 | | | | 40.45 | | | | | | | | | |
| | | S-3 | | 10-15 | | + + | | | | | | | |
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| | | | | | | | | | | | | | SAND |
| 15 🗕 | | | | | | - | EOB @ 15 ft. BGS | | | | | | |
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| | | JLAR SO | | | SIVE SOILS | NOTES: | | | | | | | |
| | WS/FT)-4 | | DENSITY . LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- Er | nd of k | ooring | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | |
| 10 |)-30 | М | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAI | L NOTES: | i) THE S | TRATIFICATION L | | T THE APPROXIMAT | E BOUNDAR | Y BETWE | EEN SOIL TYPES | . TRANSIT | TONS MAY BE GRA | ADUAL. | | |
| | | ii) WATE | R LEVEL READIN | GS HAVE BEEN N | MADE IN THE DRILL | HOLES AT TI | IMES AN | D UNDER COND | ITIONS ST | ATED ON THIS BO | RING LOG | i. | |
| | | FLUC | CTUATIONS IN TH | E LEVEL OF GRO | OUNDWATER MAY O | CCUR DUE T | O OTHE | R FACTORS THA | AN THOSE | PRESENT AT THE | TIME | | |

B-A-9

BORING No.

MEASUREMENTS ARE MADE.

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-B-2 |
|---------|----------------|----------|---|-----------------|--------------------------------------|----------|---------|--------------------|-----------|-----------------------|---------|---------|---------------------|
| 1 | 1/00 | ton | (&) Sc | mnoc | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | vve5 | IOI | (0)00 | ii ripac | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | Jos | eph Spencer |
| BORING | G Co. | | | NE Geote | ech | | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | PRESE | NTATIVE | ======================================= | | Taylor Smith | | DATE | START | | 7/27/18 | DATE E | END | 7/27/18 |
| SAMPL | ER: | Geoprol | be 6610DT trad | ck mounted rig | J | | _ | | | GROUNDWA ⁻ | | | |
| CACINIC | ٦. | | Sampler 2.25 in | | | | - | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASING | J. | D1 22 2 | .25 inch PVC li | iners w/o catch | ner | | - | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | _ | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | CAMDI | E DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | : | BLOWS/6" | (ppm) | | OAIVII I | L DLOO | TIII TION | | NOTES | STIATOW DESCRIPTION |
| | NA I | S-1 | | 0-5 | | N/A | ł | Light brown | n modii | um SAND fill | | | |
| | | | | 1 | | | 1 | Light brown | mean | | | | |
| | | | | | | | | | | | | | |
| 5 | | 0.0 | | - 10 | | | | | | | | | |
| | | S-6 | | 5-10 | | | ł | | | | | | FILL |
| | | | | | | | 1 | Davidada acciona 6 | | OAND 6 | 911 | | 1166 |
| | | | | | | | | Dark brown ii | ne to c | oarse SAND f | III | | |
| 10 - | | 0.0 | | 10-15 | | | | | | | | | |
| | | S-9 | | 10-15 | | | 1 | | | | | | |
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| | V | I A D 00 | NI 0 | 00115 | 101) /E 0011 0 | NOTE | | | | | | | |
| RI ∩\ | GRANL NS/FT | | DENSITY | BLOWS/FT | SIVE SOILS DENSITY | NOTES | | f boring | | | | | |
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| | 10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| | -30 -50 | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
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| GENERAL | NOTES: | , | | | NT THE APPROXIMAT | | | | | | | | |
| | | | | | MADE IN THE DRILL OUNDWATER MAY C | | | | | | | | |
| | | | SUREMENTS ARE | | CONDIVATED WAT C | SOUN DUE | . 10 01 | ILITACIONO ITA | I IIIOOE | THEOLINI AT THE | I IIVIL | | |

B-B-2

| | | | | | | | | PRO | JECT_ | REPOR | RT OF BORIN | IG No. | | B-B-3 |
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| 1 | 1/ | 00 | ton | (&) Sa | mnoc | SM | _ | Copw: | ay Park | | SHEET | - | 1 | OF 1 |
| | VVE | 35 | IOIII | (d) 30 | impsc | ит | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | , | | CHKD BY | | Jose | eph Spencer |
| BORING | à Co | ١. | | | NE Geotec | ch | | | ING LOCATIO | | | See | attache | ed plan |
| FOREM. | | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | :PRE | SEN | ITATIVE | Ξ: | 1 | Taylor Smith | | DATE | START | | 7/27/18 | DATE | END | 7/27/18 |
| SAMPL | ER: | | | be 6610DT trac | | | | | | _ | GROUNDWA | | | |
| CASING | ٦. | | | Sampler 2.25 inc | | | | | DATE N/A | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | J. | | D1 22 2 | .25 inch PVC lir | lers w/o catche | <u>ei </u> | | | IN/A | | | | | |
| CASING | i SIZ | .Ε: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | | SING | | | SAMPLE | | PID | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | _ | ws/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | 3, 1111 | | | | | |
| | N | IA | S-1 | | 0-5 | | N/A | | | | | | i I | |
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| | | | | | | | | | Dark brown fi | ine to c | oarse SAND f | fill | i j | |
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| | GR | ANU | LAR SC |)ILS | COHES | SIVE SOILS | NOTES: | : | | | | | | |
| BLO\ | WS/F | | | DENSITY | BLOWS/FT | DENSITY | EOB- Er | | boring | | | | | |
| |)-4 | | | LOOSE | 0-2 | V. SOFT | | | | | | | | |
| | -10)-30 | | | LOOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| |)-50)-50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| 05115541 | | | <u> </u> | | > 30 | HARD | | | | | | | | |
| GENERAL | - NOI | | | | | T THE APPROXIMATE | | | | | | | : | |
| | | | | | | NINDWATER MAY OF | | | | | | | | |

B-B-3

BORING No.

| | | | | | | | | PRC | <u>JECT</u> | REPOF | RT OF BORIN | G No. | | B-B-4 |
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| 1 | 1/- | | +00 | (C) Co | 100000 | SM | | O = == | ou Darle | | SHEET | | 1 | OF 1 |
| | WE | es | ion | (&) Sc | impsc | ori | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | onei | VIIIE, IVIA | | CHKD BY | | Jos | eph Spencer |
| BORING | a Co | | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | | Maynor | | | | UND SURFAC | | <i>I</i> . | 000 | | DATUM |
| WSE RE | PRE | SEN | VITATIVE | Ξ: | | Taylor Smith | | DATE | E START | | 7/27/18 | DATE E | END | 7/27/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | ck mounted rig | | | | | (| GROUNDWA [*] | TER OE | SERVA | TIONS |
| | | | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3: | | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | • | N/A | | | | | |
| CASING | 9175 | | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASI | | 2.23 | | SAMPLE | Direct i dali | PID | | | | | | | |
| (feet) | (blow | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| . , | , NA | _ | S-1 | . () | 0-5 | | N/A | | | | | | | |
| | | | | | | | | | Light brow | n mediı | um SAND fill | | | |
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| 5 - | | | S-2 | | 5-10 | | | | Darly by average f | | CAND (| :11 | | 1166 |
| | | | | | | | | | Dark brown f | ine to co | Darse Sand i | III | | |
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| 10 - | | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | Gravu | medium | SAND | | | SAND |
| | | | | | | | | | Glay | medium | ISAND | | | SAND |
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| BLO | WS/FT | | | DENSITY | BLOWS/FT | DENSITY | | | f boring | | | | | |
| | -4 | | | LOOSE | 0-2 | V. SOFT | Petrole | um o | dor | | | | | |
| | -10 -30 | | | LOOSE . DENSE | 2-4 | SOFT M. STIFF | | | | | | | | |
| | 1-30 1-50 | | | DENSE DENSE | 4-8 8-15 | STIFF | | | | | | | | |
| | 50 | | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | | > 30 | HARD | | | | | | | | |
| GENERAL | NOTE | ES: | | | | IT THE APPROXIMATE | | | | | | | | |
| | | | | | | MADE IN THE DRILL F DUNDWATER MAY OO | | | | | | | i. | |
| | | | . 200 | , 0.40 4 1 | | | . JO., DOL | . 5 0 11 | | | | | | |

B-B-4

BORING No.

| | | | | | | | P | ROJECT | RE | EPOF | RT OF BORIN | iG No. | | B-B-5 |
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| 1 | 1/ | 20 | ton | (&) So | mnoc | SM | Col | nway Park | | | SHEET | - | 1 | OF 1 |
| | VV | 35 | IOI I | (0)00 | inpsc | ит | | nerville, MA | | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co |). | | | NE Geoted | ch | ВС | ORING LOCAT | ION | | | See | attache | ed plan |
| FOREM | | | | | Maynor | | | ROUND SURF | ACE | | | | | DATUM |
| WSE RE | PRE | ESEN | ITATIVE | : | | Taylor Smith | DA | ATE START | | 7 | 7/27/18 | DATE | END | 7/27/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | k mounted rig | | | | | (| GROUNDWA [*] | TER OE | 3SERVA | |
| O A O I N I C | ٠. | | | Sampler 2.25 inc | | | | DATE | Т | ГІМЕ | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | ɔ : | | D1 22 2 | .25 inch PVC lii | ners w/o catch | er | | N/A | | | | _ | | |
| CASING | SIZ | Έ: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CAS | SING | | | SAMPLE | | PID | 044 | 4DI E 1 | DEGO | DIDTION | <u> </u> | NOTEO | OTDATI IM DECODIDITION |
| (feet) | (blov | ws/ft) | No. | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | SAN | /IPLE I | DESCI | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | Ŋ | IΑ | S-1 | | 0-5 | | N/A | | | | 0.4.V.D. (''') | | | |
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| | GR | ANU | LAR SC | ILS | COHES | SIVE SOILS | NOTES: | | | | | | | |
| BLO\ | | Т | | DENSITY | BLOWS/FT | DENSITY | EOB- End | | | | | | | |
| |)-4 -10 | | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | Petroleum | n odor | | | | | | |
| | -30 | | | DENSE | 2- 4 4-8 | M. STIFF | | | | | | | | |
| | -50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | | > 30 | HARD | | | | | | | | |
| GENERAL | NO | | | | | T THE APPROXIMATE MADE IN THE DRILL H | | | | | | | i | |

BORING No. B-B-5

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | <u>F</u> | PROJECT | | REPOR | RT OF BORIN | G No. | | B-B.5-4 |
|-----------|--------------|------|----------|------------------|-----------------|---------------------|--|-------------------|--------|------------|-----------------|--------|---------|---------------------|
| 1 | 16 | 20 | ton | (&) So | mnoo | SM | 0.0 | onway Park | | | SHEET | | 1 | OF 1 |
| | WE | 35 | IOI | (X)50 | mpsc | OT 1 | | merville, MA | | | Project No. | | | 2180123 |
| | | | | | | | 001 | 110111110, 111111 | | | CHKD BY | | | eph Spencer |
| BORING | G Co | | | | NE Geoted | ch | В | ORING LOCA | ATIO | N | | See | attache | ed plan |
| FOREM | | | | | Maynor | | | ROUND SUF | RFAC | E ELEV | <i>l</i> . | | | DATUM |
| WSE RE | EPRE | SEN | IVITATIV | Ē: | | Taylor Smith | D | ATE START | | | 7/27/18 | DATE | END . | 7/27/18 |
| SAMPL | ER: | | Geopro | be 6610DT trac | k mounted rig | | | | | (| GROUNDWA | TER OE | SERVA | |
| 0.4.014.1 | _ | | | Sampler 2.25 inc | | | | DATE | | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | <i>i</i> : | | DT 22 2 | 2.25 inch PVC li | ners w/o catch | er | | N/A | | | | | | |
| CASING | SIZ | E: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CAS | SING | | | SAMPLE | | PID | | AMDI | LE DESC | DIDTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blov | _ | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | DAIVIF | | | | NOTES | |
| | N I | Α | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | Bro | wn n | nedium | SAND fill | | | |
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| 5 - | | | | | | | | | | | | | | FILL |
| _ | | | S-2 | | 5-10 | | | Dark bro | wn fi | ine to co | oarse SAND f | ill | | |
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| 10 - | | | 0.0 | | 10.15 | | | | | | | | | |
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| | | | LAR SC | | | SIVE SOILS | NOTES: | | | | | | | |
| | WS/F1)-4 | Γ | | LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | Petroleur | d of boring | | | | | | |
| | -10 | | | LOOSE | 2-4 | SOFT | Cirolcui | 11 0001 | | | | | | |
| 10 | -30 | | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | . V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL | NOT | ES: | i) THE S | TRATIFICATION LI | | T THE APPROXIMATE | E BOUNDARY | BETWEEN SOIL 1 | YPES. | TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | | | | | MADE IN THE DRILL H | | | | | | | | |
| | | | FLUC | TUATIONS IN THE | E LEVEL OF GRO | UNDWATER MAY O | CCUR DUE TO | OTHER FACTOR | S THA | N THOSE | PRESENT AT THE | TIME | | |

B-B.5-4

BORING No.

| | | | | | | | | PRC | <u>DJECT</u> | REPOR | RT OF BORIN | G No. | | B-C-1 |
|-------------------------|--------------|--------|---|-----------------------------------|------------------|--|-----------------|--|------------------------|------------|-----------------------|--|----------|---------------------|
| 1 | 1/6 | 20 | ton(| 22/22 | ampsc | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | VVC | 50 | IOI I | W) CC | II I IPSC | ЛТ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | | | | | NE Geoted | | | | ING LOCATIO | | | See | attache | |
| FOREM. WSF RF | | SEN | TATIVE | | Maynor | Taylor Smith | | | OUND SURFAC E START | | | DATE E | | DATUM 7/24/18 |
| | | .0 | | | | | | בורח | _ 01/111 | , | | | | |
| SAMPL | EK: | | | oe 6610DT trac ampler 2.25 inc | ck mounted rig | | | - | DATE | TIME | GROUNDWAT WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3: | | | | liners w/o catch | ier | | - | N/A | | | | | |
| CASING | : SI7I | ⊏. | 2.25 | | Method | Direct Push | | - | | \vdash | | | | |
| DEPTH | CAS | | 2.20 | | SAMPLE | Dilcot i don | PID | i | | | | | | |
| (feet) | (blow | vs/ft) | | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | SAMPI | LE DESC | | | NOTES | STRATUM DESCRIPTION |
| | N. | A | S-1 | 45/60 | 0-5 | | N/A | | | Topsoi | | | | TOPSOIL |
| . [| | | \longmapsto | | <u> </u> | | ┼──┦ | Bro | own/gray fine to | o mediı | um SAND fill; | some | | |
| . [| | | | | | | | 1 | | | fabric, brick | ļ | | |
| 5 | \dashv | | S-2 | 35/60 | 5-10 | | | | | | | | . I | |
| . [| | | 3-2 | 33/00 | 3-10 | | + | (| Grey silty SANI | D fill, so | me gravel, br | rick | | |
| . [| | | | | | | | | | | | | . | |
| _ | | | \longmapsto | | - | | + | ļ | | | | | | FILL |
| 10 | | | S-3 | | 10-15 | | | • | | | | ļ | | |
| . [| | | \square | | <u> </u> | <u> </u> | <u> </u> | ļ | Dark gr | ey silty | SAND fill | ļ | | |
| . [| | | \longmapsto | | + | | + | | | | | ļ | | |
| 15 | | | | | | | | | | | | |] | |
| | | | S-4 | | 15-20 | | ┼ | ŀ | Brown/gray fi | ine to co | oarse SAND f | 31) | | |
| | | | | | | | | | Diowingia, | no io c. | Jaioc o, 1, 12 | III |] | |
| | | | \longmapsto | | | <u> </u> | | | | Tan SIL | .T | |] | SILT |
| 20 | \dashv | | \longmapsto | | + | | + | | EOF | B @ 20 ft. | . BGS | | <u> </u> | |
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| 1 | | | \longmapsto | | - | | + | · | | | | | | |
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| . [| | | \longmapsto | | + | | + | | | | | ļ | | |
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| BI O | GR/ WS/FT | | LAR SO | DENSITY | BLOWS/FT | SIVE SOILS DENSITY | NOTES FOR- F | | f boring | | | | | |
| |)-4 | | V. I | LOOSE | 0-2 | V. SOFT | Petrole | | | | | | | |
| | -10)-30 | | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| |)-50)-50 | | | DENSE DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENERAL | NOT | EQ. | i) THE ST | DATIEICATION I | > 30 | HARD IT THE APPROXIMATE | E BOLINDA | DV DET | WEEN SOIL TYPES | TDANIQIT | IONS MAY BE CD/ | V DI IVI | | |
| GLINEI I/ 1. | . 1401 | LO. | | | | MADE IN THE DRILL I | | | | | | | à. | |
| | | | | TUATIONS IN THE | | OUNDWATER MAY O | CCUR DUE | TO OTH | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |

B-C-1

| | | | | | | | PRO | <u>JECT</u> | REPOR | RT OF BORIN | IG No. | | B-C-2 |
|----------|--------------|------------|-------------------------------------|---------------|--|--------------|--------|------------------|------------|-----------------|----------|---------|---------------------|
| 1 | 1/00 | ton | (&) Sc | mnec | SM | | Conw | ay Park | | SHEET | 1 | i I | OF 1 |
| | VVC2 | UII | (X)00 | ii i ihac | Л | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | | | | NE Geote | | | | NG LOCATIO | | | See | attache | ed plan |
| FOREM | | T A TIV (| _ | Maynor | | | | UND SURFAC | | | DATE | | DATUM |
| | PRESEN | VIIAIIV | t: | | Taylor Smith | | DATE | START | | 7/27/18 | DATE E | | 7/27/18 |
| SAMPL | ER: | | be 6610DT trac | | | | | DATE | | GROUNDWA | | | |
| CASING | 3: | | Sampler 2.25 in 2.25 inch PVC li | | ner | | • | DATE N/A | TIME | WATER AT | CASIN | NG AT | STABILIZATION TIME |
| 0710111 | | | | nord we date. | | | | , , . | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | T | SAMPLE | 1 | PID | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | No. S-1 | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) N/A | | | | | | | TOPSOIL |
| | | 0 1 | | 0.0 | | 14/71 | | | Topso | il | | | 101 0012 |
| | | | | | | | | Brown/gray fir | ne to me | edium SAND | fill | | |
| | | | | | | | | | | | | | |
| 5 - | | S-2 | | 5-10 | | | | | | | | | |
| | | 02 | | 0.10 | | | | Grey silty SANI | D fill oc | oma araval be | dola | | FILL |
| | | | | | | | | arey siity SAINI | D IIII, SC | irie gravei, bi | ICK | | |
| | | | | | | | | | | | | | |
| 10 - | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | (| Gray fine to m | edium S | SAND; some | silt | | SAND |
| | | | | | | | | | | | | | |
| 15 - | | | | | | | | EOE | 3 @ 15 ft | . BGS | | | |
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| | GRANU | LAR SO | OILS | COHE | SIVE SOILS | NOTES | 3: | | | | | | |
| | WS/FT | I | DENSITY | BLOWS/FT | DENSITY | EOB- E | | | | | | | |
| |)-4 -10 | | LOOSE | 0-2 2-4 | V. SOFT SOFT | Petrole | eum oo | dor | | | | | |
| | - 10)-30 | | . DENSE | 2-4 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENEDAI | NOTE9: | i) THE 0 | TDATIEICATION | > 30 | HARD IT THE APPROXIMAT | | DV DET | MEEN SOIL TYPES | TDANIOIT | IONS MAY BE OB | V DI IVI | | |
| GLIVENAL | _ NOTES. | | | | IT THE APPROXIMAT MADE IN THE DRILL I | | | | | | | | |
| | | | | | DUNDWATER MAY O | CCUR DUE | TO OTH | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |
| | | MEA | SUREMENTS ARE | MADE. | | | | | | | BORIN | G No | B-C-2 |
| | | | | | | | | | | | BOKIN | a NO. | D-U-2 |

| | | | | | | | <u>P</u> | ROJECT | REPOR | RT OF BORIN | G No. | | B-C-3 |
|-----------------|------------|----------------|---------------------------------------|------------------------------------|-----------------------|------------------|--------------|--------------------------|------------|--------------------|--------|-----------------|-----------------------------|
| 1 | 1 | 00 | ton | (&) Sc | mnoc | SM | Co | nway Park | | SHEET | - | 1 | OF 1 |
| | VV | - 5 | 1011 | (0)00 | ii i ipsc | / 1 | | nerville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | |). | | | NE Geoted | ch | | ORING LOCATION | | | See | attache | |
| FOREM WSE RE | | COEN | ITATI\/ | = . | Maynor | Taylor Smith | | ROUND SURFA ATE START | | | DATE E | | DATUM 7/27/18 |
| | | | | | | rayior Sitiiii | | AIESIANI | | 7/27/18 | | | |
| SAMPL | .ER: | | | be 6610DT trac Sampler 2.25 inc | | | | DATE | TIME | GROUNDWA' WATER AT | | SSERVA NG AT | TIONS STABILIZATION TIME |
| CASING | G: | | | 2.25 inch PVC li | | er | | N/A | TIIVIL | WAILHAI | CASII | NGAI | STABILIZATION TIME |
| | | _ | | | | | | | | | | | |
| CASING | | | 2.25 | | | Direct Push | 212 | | | | | | T. |
| DEPTH (feet) | | SING ws/ft) | No. | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | SAM | PLE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| () | | IA | S-1 | | 0-5 | | N/A | | Topso | il | | | TOPSOIL |
| | | | | | | | | Brown | medium | SAND fill | | | |
| | | | | | | | | | | | | | |
| 5 - | | | | | | | | | | | | | FILL |
| J | | | S-2 | | 5-10 | | | Dark brown | fine to c | oarse SAND f | ill | | 1122 |
| | | | | | | | | | | | | | |
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| 10 🗕 | | | S-3 | | 10-15 | | | | | | | | |
| | | | 0-0 | | 10 13 | | | Grov fin | o CAND | ; some silt | | | SAND |
| | | | | | | | | Gray III | IE SAIND | , some siii | | | SAND |
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| 15 🗕 | | | | | | | | EC | OB @ 15 ft | . BGS | | | |
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| | GR | ANU | LAR SC | OILS | COHES | SIVE SOILS | NOTES: | | | | | | |
| | WS/F | Т | | DENSITY | BLOWS/FT | DENSITY | | d of boring | | | | | |
| |)-4 -10 | | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | Petroleun | n odor | | | | | |
| |)-30 | | M. | . DENSE | 4-8 | M. STIFF | | | | | | | |
| |)-50 | | | DENSE | 8-15 | STIFF | | | | | | | |
| > | 50 | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | |
| GENERAL | L NO | TES: | i) THE S | TRATIFICATION LI | | | E BOUNDARY | BETWEEN SOIL TYPE | S. TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | | | | | | | ES AND UNDER CONI | | | | i. | |

B-C-3

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORING | G No. | | B-C-3.5 |
|-----------|--------------|----------|------------------|-----------------|---------------------------|----------|--------|-----------------|-----------|-------------------|---------|---------|---------------------|
| 1 | 11/00 | ton | (&) Sc | mnoc | SM | , | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | WES | | (0)00 | inpac | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See a | attache | d plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | _ | | | DATUM |
| WSE RI | EPRESE | NTATIV | E: | | Taylor Smith | | DATE | E START | | 7/27/18 | DATE EI | ND . | 7/27/18 |
| SAMPL | .ER: | Geopro | be 6610DT trac | ck mounted rig | | | i | | | GROUNDWAT | ER OBS | SERVA | |
| 0.4.011.1 | _ | _ | Sampler 2.25 in | | | | ı | DATE | TIME | WATER AT | CASINO | G AT | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | 2.25 inch PVC li | ners w/o catcl | ner | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | 1 | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | 0.11.15 | | 1 | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | | | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | | | n SAND fill | | | |
| | | | | | | | | | | edium SAND f | ill | | |
| | | | | | | | | Light brow | n meai | um SAND fill | | | |
| E | | | | | | | | | | | | | |
| 5 - | | S-2 | | 5-10 | | | | | | | | | FILL |
| | | | | | | | Da | | | se SAND fill; so | ome | | |
| | | | | | | | | COr | ncrete, | giass | | | |
| 40 | | | | | | | | | | | | | |
| 10 - | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | Gray fine | e SAND | ; some silt | | | SAND |
| 4.5 | | | | | | | | | | | | | |
| 15 🗕 | | | | | | | | EO | B @ 15 ft | t. BGS | | ľ | |
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| | | JLAR SO | | | SIVE SOILS | NOTES | | | | | | | |
| | WS/FT)-4 | | DENSITY LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- E | | f boring dor | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | i ellole | umo | uoi | | | | | |
| 10 |)-30 | М | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENFRA | L NOTES: | i) THF S | TRATIFICATION I | | TAND IT THE APPROXIMAT | E BOUNDA | RY BFT | WEEN SOIL TYPES | . TRANSIT | TIONS MAY RE GRAI | DUAI . | | |
| , , , , | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | | | OUNDWATER MAY C | CCUR DUE | TO OT | HER FACTORS THA | N THOSE | PRESENT AT THE T | IME | | |
| | | MEA | SUREMENTS ARE | MADE. | | | | | | | | | |

B-C-3.5

| | | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-C-4 |
|---------|--------------|--------|---------|------------------|-----------------|-------------------|----------|----------|------------------|------------|----------------|----------|---------|---------------------|
| 1 | 16 | 0 | on | (&) Sc | mnoc | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | WE | S | OH | (X) 50 | ar ipsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | 3011101 | VIIIO, IVII (| | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | | NE Geote | ch | • | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | IAN | | | | Maynor | | | GRO | UND SURFAC | | <i>/</i> . | | | DATUM |
| WSE RE | EPRES | SEN | TATIVE | E : | | Taylor Smith | | DATE | E START | | 7/27/18 | DATE E | END | 7/27/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trad | ck mounted rig | | | | | | GROUNDWA | TER OB | SERVA | TIONS |
| | | | | Sampler 2.25 in | | | | _ | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASING | G: | | DT 22 2 | 2.25 inch PVC li | iners w/o catch | ner | | _ | N/A | | | | | |
| CASING | SIZE | | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASI | | | | SAMPLE | | PID | 1 | | | | <u> </u> | | |
| (feet) | (blows | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | ŅΑ | ١. | S-1 | | 0-5 | | N/A | | | | | | | |
| | | | | | | | | 1 | Liedet lever | الممممالية | CAND fill | | | |
| | | | | | | | | 1 | Light brow | n meal | um SAND fill | | | |
| _ | | | | | | | | 1 | | | | | | |
| 5 - | | | S-2 | | 5-10 | | | | | | | | | FILL |
| | | | | | | | | 4 | | | | | | |
| | | | | | | | | 1 | Dark brown fi | ne to c | oarse SAND f | ill | | |
| 10 | | | | | | | | 1 | | | | | | |
| 10 - | | | S-3 | | 10-15 | | | | | | | | | |
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| | | | | | | | | 1 | Gray medi | um SAN | ND; some silt | | | SAND |
| 15 🗕 | | | | | | | | 1 | | | | | | |
| 13 | | | | | | | | | EOE | 3 @ 15 ft | . BGS | | | |
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| | V | NII II | _AR SC | OII C | COLIE | SIVE SOILS | NOTES | C. | | | | | | |
| BI O | WS/FT | INUL | | DENSITY | BLOWS/FT | DENSITY | | | f boring | | | | | |
| |)-4 | | | LOOSE | 0-2 | V. SOFT | Petrole | | | | | | | |
| | -10 | | | LOOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | | | . DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | | > 30 | HARD | | | | | | | | |
| GENERAL | L NOTE | | , | | | IT THE APPROXIMAT | | | | | | | | |
| | | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | | SUREMENTS ARE | | DUNDWATER MAY O | OCOR DUE | _ 10 011 | ILIT FACTURS THA | IN IUO9E | FNEOENI AI IME | IIIVIE | | |

B-C-4

| | | | | | | | | PRC | <u>JECT</u> | REPOF | RT OF BORIN | G No. | | B-C-4.5 |
|---------|-----------|-------|------------|------------------|-----------------------|---------------------|--------------|---------|----------------------|------------|-----------------------|----------|---------|---------------------|
| 1 | 16 | - | ±00 | (2)00 | | SM | . | 0-04 | ·-· Daul, | | SHEET | - | 1 | OF 1 |
| | WE | S | IOI | (&) So | mpsc | רוכ | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | ounei | VIIIE, IVIA | | CHKD BY | | | eph Spencer |
| BORING | G Co | | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM. | | | | | Maynor | | | _ | UND SURFAC | | <i>I</i> . | 000 | | DATUM |
| WSE RE | PRE | SEN | VITATIV | <u>:</u> | | Taylor Smith | | DATE | E START | | 7/27/18 | DATE E | END | 7/27/18 |
| SAMPL | ER: | | Geopro | be 6610DT trac | k mounted rig | | | | | (| GROUNDWA [*] | TER OE | SERVA | TIONS |
| | | | | Sampler 2.25 in | | | | • | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3: | | DT 22 2 | .25 inch PVC li | ners w/o catch | ner | | - | N/A | | | | | |
| CASING | 9175 | | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASI | | 2.25 | | • | Direct Push | DID | I | | | | | | |
| (feet) | (blow | | No. | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| () | N/ | _ | S-1 | , () | 0-5 | | N/A | | | | | | | |
| | | | | | | | | 1 | | | | | | |
| | | | | | | | | | Light brow | n medii | um SAND fill | | | |
| | | | | | | | | | | | | | | |
| 5 | | | S-2 | | 5-10 | | | | | | | | | FILL |
| | | | | | | | | 1 | | | | | | |
| | | | | | | | | | Dark brown fi | ine to co | oarse SAND f | ill | | |
| | | | | | | | | | | | | | | |
| 10 | | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | Grav medii | ım SAN | ID; some silt | | | SAND |
| | | | | | | | | | Gray moan | 3111 07 11 | (B, corrio ont | | | G/ 11 4 B |
| 15 | | | | | | | | | EOE | 3 @ 15 ft. | . BGS | | | |
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| | GRA | NII I | LAR SC | JII S | COHE | SIVE SOILS | NOTES | 3. | | | | | | |
| BLO\ | NS/FT | NI NO | 1 | DENSITY | BLOWS/FT | DENSITY | | | f boring | | | | | |
| | -4 | | | LOOSE | 0-2 | V. SOFT | Petrole | | 0 | | | | | |
| | 10 | | | LOOSE | 2-4 | SOFT | | | | | | | | |
| | -30 | | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 50 | | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | 00 | | v . | DLIVOL | > 30 | HARD | | | | | | | | |
| GENERAL | NOTE | ES: | i) THE S | TRATIFICATION LI | NES REPRESEN | IT THE APPROXIMATE | BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | | ii) WATE | R LEVEL READING | GS HAVE BEEN I | MADE IN THE DRILL I | HOLES AT | TIMES A | AND UNDER CONDI | TIONS STA | ATED ON THIS BO | RING LOG | i. | |
| | | | FLUC | TUATIONS IN THE | E LEVEL OF GRO | DUNDWATER MAY O | CCUR DUE | TO OT | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |

B-C-4.5

BORING No.

| | | | | | | | PRC | <u>JECT</u> | REPOI | RT OF BORIN | G No. | | B-C-5 |
|----------|---------------|----------|-------------------------------|-------------------------|--|--------------|------|---------------|-----------|---------------|--------|---------|---------------------|
| 1 | 1/0 | eton | (F) S | ampso | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | vve | 5101 | (0)00 | al lipsc | ווע | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | • | | CHKD BY | | Jos | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | | ING LOCATIO | | | See | attache | ed plan |
| FOREM | | | <i></i> | Maynor | T 1 0 11 | | | UND SURFAC | | | DATE | | DATUM |
| WSE RI | PRES | ENTATI | /E: | | Taylor Smith | | DATE | E START | | 7/27/18 | DATE E | :ND | 7/27/18 |
| SAMPL | .ER: | | | ack mounted rig | | | _ | | | GROUNDWA | | | |
| CASING | 3. | | Sampler 2.25 in 2.25 inch PVC | nch liners w/o catch | ner | | _ | DATE N/A | TIME | WATER AT | CASIN | IG A I | STABILIZATION TIME |
| 0, (0,1) | . | <u> </u> | 2.20 1110111 10 | mioro w/o oator | 101 | | _ | 14/7 | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | _ | | | | | | |
| DEPTH | CASIN | | Tees are a | SAMPLE | D. 01110 (2) | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows, | (ft) No. | REC/PEN (in | 0-5 | BLOWS/6" | (ppm) N/A | | | | | | | |
| | | 0 1 | | 0.0 | | 1 1 1/7 | 1 | | | | | | |
| | | | | | | | | Light brow | n medi | um SAND fill | | | |
| | | | | | | | - | | | | | | |
| 5 - | | S-2 | | 5-10 | | + | | | | | | | FILL |
| | | | | | | | | | | | | | |
| | | | | | | - | - | Dark brown fi | ne to c | oarse SAND f | ill | | |
| | | | | | | 1 | 1 | | | | | | |
| 10 - | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | 4 | | | | | | |
| | | | | | | | 1 | Gray medi | um SAN | ND; some silt | | | SAND |
| 15 🗕 | | | | | | | | | | | | | |
| 10 | | | | | | | 4 | EOE | 3 @ 15 ft | t. BGS | | | |
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| 20 - | | | | | | | 4 | | | | | | |
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| | ₩ | A D O | 011.0 | 00115 | | NOTE | 1 | | | | | | |
| BI O | GRAI WS/FT | NULAR S | DENSITY | BLOWS/FT | SIVE SOILS DENSITY | NOTE: | | f boring | | | | | |
| |)-4 | \ | /. LOOSE | 0-2 | V. SOFT | Petrole | | | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | I N | 1. DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | ١ | /. DENSE | 15-30 | V. STIFF | | | | | | | | |
| 0=1: | | | | > 30 | HARD | 1 | | | | | | | |
| GENERAI | L NOTES | , | | | IT THE APPROXIMAT MADE IN THE DRILL | | | | | | | | |
| | | | | | DUNDWATER MAY C | | | | | | | | |
| | | MEA | ASUREMENTS AR | E MADE. | | | | | | | | | |

B-C-5

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORING N | Ο. | B-C-7 |
|---------|--------------|---------|-----------------|--|--|--------------------|----------|-------------|--------------------|--|------------|---------------------|
| 1 | 1/00 | ton | &)Sc | mnec | SM | | _ nw/ | ay Park | | SHEET | 1 | OF 1 |
| | WES | IOII | 0 | irripsc | ו וכ | | | ville, MA | | Project No. | | 2180123 |
| | | | | | | | | | | CHKD BY | Jos | seph Spencer |
| BORING | G Co. | | | NE Geote | ch | - | BOR | ING LOCATIO | N | (| See attach | ed plan |
| FOREM | AN | | | Maynor | | | GRO | UND SURFAC | DE ELEV | | | DATUM |
| WSE RE | PRESE | NTATIVE | : | | Taylor Smith | | DATE | START | | 7/27/18 DA | TE END | 7/27/18 |
| SAMPL | ER: | Geoprob | oe 6610DT trac | k mounted rig | J | | | | | GROUNDWATER | OBSERVA | ATIONS |
| | | | ampler 2.25 in | | | | | DATE | TIME | WATER AT C | ASING AT | STABILIZATION TIME |
| CASING | 3: | DT 22 2 | .25 inch PVC li | ners w/o catch | ner | | | N/A | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | | | | 1 | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | NOTES | STRATUM DESCRIPTION |
| | ŅA | S-1 | | 0-5 | | N/A | | | Topso | | | TOPSOIL |
| | | | | <u> </u> | | $oldsymbol{\perp}$ | | Light brow | ın medi | um SAND fill | | |
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| _ | | | | | | + | | | | 0.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. | | ="". |
| 5 - | | S-2 | | 5-10 | | | Da | | | se SAND fill; some | 9 | FILL |
| | | | | | | | | gı | lass, de | DIIS | | |
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| 10 - | | S-3 | | 10-15 | | | | | | | | |
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| | GRANL | ILAR SC | ILS | COHE | SIVE SOILS | NOTES | 3: | | | | | |
| | NS/FT | | ENSITY | BLOWS/FT | DENSITY | EOB- E | | | | | | |
| | -4 | | LOOSE .OOSE | 0-2 | V. SOFT | Petrole | um o | dor | | | | |
| | ·10 -30 | | DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | |
| | -50 | | DENSE | 8-15 | STIFF | | | | | | | |
| > | 50 | V. | DENSE | 15-30 | V. STIFF | | | | | | | |
| | | | | > 30 | HARD | | | | | | | |
| GENERAL | NOTES: | | | | | | | | | TIONS MAY BE GRADUA | | |
| | | | | | | | | | | ATED ON THIS BORING PRESENT AT THE TIME | LOG. | |
| | | | UBEMENTS ARE | | | | - 011 | | | | | |

B-C-7

| | | | | | | | PRO | <u>JECT</u> | REPOR | RT OF BORIN | G No. | | B-C-9 |
|-----------------|----------------------|-------------------|------------------|--------------------|-------------------|--------------|---------|------------------|-----------|-----------------|--------|---------|---------------------|
| 1 | 1/00 | ton | 200 | ampso | SM | | `opwo | ay Park | | SHEET | - | 1 | OF 1 |
| | wes | IOII | 0)50 | ampsc | ווכ | | | ille, MA | | Project No. | | | 2180123 |
| | | | | | | | JITIOIV | ville, ivii t | | CHKD BY | | | eph Spencer |
| BORING | i Co | | | NE Geote | ch | | RORI | NG LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | /. | 000 | | DATUM |
| WSE RE | PRESE | VTATIVE | : | | Taylor Smith | | | START | | | DATE E | | 7/27/18 |
| SAMPL | FR: | Geoprob | ne 6610DT tra | ck mounted rig | | | | | | GROUNDWAT | TER OR | SFRVA | TIONS |
| O7 | | | ampler 2.25 ir | | | | | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASING | 3: | DT 22 2. | .25 inch PVC | iners w/o catch | ner | | | N/A | | | | | |
| CASING | CIZE. | 0.05 | | Madead | Direct Book | | | | | | | | |
| | | 2.25 | | Method | Direct Push | 818 | | | | | | | |
| DEPTH (feet) | CASING (blows/ft) | No. | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (ICCI) | NA | S-1 | TILO/T LIV (III) | 0-5 | BEOVVO/0 | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | | | | | | |
| | | | | | | | | Light brow | n medi | um SAND fill | | | |
| | | | | | | - | | | | | | | |
| 5 | | S-2 | | 5-10 | | | | | | | | | |
| | | 02 | | 0.10 | | | | | | | | | FILL |
| | | | | | | | | Dark brown fi | ne to c | oarse SAND fi | II | | |
| | | | | | | | | | | | | | |
| 10 | | S-3 | | 10-15 | | | | | | | | | |
| | | 0.0 | | | | | | | | | | | |
| | | | | | | | | Grav madii | ım SAN | ID; some silt | | | SAND |
| | | | | | | | | Gray medic | | ND, SOME SIL | | | SAND |
| 15 - | | - | | | | - | | FOR | 3 @ 15 ft | RGS | | | |
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| | GR∆NI | ILAR SO | II S | COHE | SIVE SOILS | NOTES: | | | | | | | |
| BLO | NS/FT | | ENSITY | BLOWS/FT | DENSITY | EOB- Er | | boring | | | | | |
| 0 | -4 | V. | LOOSE | 0-2 | V. SOFT | 1 | | J | | | | | |
| | 10 | | OOSE | 2-4 | SOFT | | | | | | | | ı |
| | -30 -50 | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | -50 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | <u>L</u> | | | | | | | |
| GENERAL | NOTES: | i) THE ST | RATIFICATION I | INES REPRESEN | IT THE APPROXIMAT | E BOUNDAR | Y BETV | WEEN SOIL TYPES. | TRANSIT | IONS MAY BE GRA | DUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | | |
| | | HLUC ^T | TUATIONS IN TH | | DUNDWATER MAY O | COR DUE T | OOIH | IER FACTORS THA | n ihose | PRESENTALIHE | IIME | | |

B-C-9

| | | | | | | | | PRO | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-C-11 |
|---------|--------------|----------|---------|------------------|-----------------|-------------------|----------|---------|----------------------|-----------|-----------------------|----------|-------------------|---------------------|
| 1 | 11/ | 20 | ton | (&) Sc | mnoc | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | VVE | 35 | IOI | (X) 50 | ar ipsc | ווכ | | | ay raik ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | 7011101 | VIIIO, 1417 (| | CHKD BY | | | eph Spencer |
| BORING | G Co | | | | NE Geote | ch | - | BORI | ING LOCATIO | N | | See at | tache | ed plan |
| FOREM | 1AN | | | | Maynor | | | GRO | UND SURFAC | | | | | DATUM |
| WSE RE | EPRE | SEN | ITATIV | Ξ: | | Taylor Smith | | DATE | START | | 7/27/18 | DATE EN | ID . | 7/27/18 |
| SAMPL | ER: | | Geopro | be 6610DT trad | ck mounted rig | | | _ | | | GROUNDWA ⁻ | TER OBSE | ERVA [*] | TIONS |
| | _ | | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASING | AT | STABILIZATION TIME |
| CASING | G: | | DT 22 2 | 2.25 inch PVC I | iners w/o catch | ner | | | N/A | | | | | |
| CASING | SIZ | E: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | | SING | | | SAMPLE | | PID | | | | | | | |
| (feet) | (blov | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | N | IOTES | STRATUM DESCRIPTION |
| | N | Α | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | | | . ороо | | | | |
| | | | | | | | | | | | | | | |
| _ | | | | | | | | | | | | | | FILL |
| 5 - | | | S-2 | | 5-10 | | | | Brown fine | to coa | rse SAND fill | | | FILL |
| | | | | | | | | | | | | | | |
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| 10 - | | | | | | | | | | | | | | |
| 10 | | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | Brown med | ium SA | ND; some silt | | | SAND |
| | | | | | | | | | | | | | | |
| 15 🗕 | | | | | | | | | | | | | | |
| 15 | | | | | | | | | EO | 3 @ 15 ft | :. BGS | | | |
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| | CP | Λ N II I | LAR SC | JII C | COHE | SIVE SOILS | NOTES | 2. | | | | | | |
| BLO' | WS/F | | | DENSITY | BLOWS/FT | DENSITY | | | boring | | | | | |
| |)-4 | | | LOOSE | 0-2 | V. SOFT | | | | | | | | |
| | -10 | | | LOOSE | 2-4 | SOFT | | | | | | | | |
| | 0-30 0-50 | | | . DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | · 50 | | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | | > 30 | HARD | | | | | | | | |
| GENERAL | L NOT | ES: | , | | | IT THE APPROXIMAT | | | | | | | | |
| | | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | | SUREMENTS ARE | | DUNDWATER MAY O | CCUR DUE | 10 011 | TER FAUTURS THA | IN IHOSE | rneseini Al IHE | IIIVIE | | |

B-C-11

| | | | | | * * | PF | ROJECT | REPOR | RT OF BORIN | G No. | | B-C-4 |
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| 1 | 1/00 | ton | (F) SC | ampso | SM | Cor | nway Park | | SHEET | 1 | | OF 1 |
| | VVCS | | (0)00 | al ripoc | <i>/</i> 1 | | erville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | | | | NE Geote | | | RING LOCATIO | | | See a | attache | |
| FOREM | AN E PRESEI | ΙΤΔΤΙΛΙ | <u> </u> | Maynor | Taylor Smith | | ROUND SURFAC TE START | | | DATE E | | DATUM 7/27/18 |
| | | | | | | | 1 017 1111 | | | | - | |
| SAMPL | EK: | | be 6610D1 tra Sampler 2.25 ir | ck mounted rig | | | DATE | TIME | GROUNDWAT WATER AT | CASIN | | STABILIZATION TIME |
| CASING | 3: | | | liners w/o catch | ner | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | |
| DEPTH | CASING | 2.20 | | SAMPLE | Direct i doi! | PID | | | | 1 | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA I | S-1 | | 0-5 | | N/A | | Topso | il | | | TOPSOIL |
| | | - | | | | | Light brow | n mediı | um SAND fill | | | |
| | | | | | | | | | | | | |
| 5 - | | S-2 | | 5-10 | | | | | | | | |
| | | 3-2 | | 3-10 | | | Davis brazzo fi | | aaraa CAND f | | | FILL |
| | | | | | | | Dark brown fi | ne to co | Darse Sand II | III | | |
| | | | | | | | | | | | | |
| 10 | | S-3 | | 10-15 | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | Gray r | medium | n SAND | | | SAND |
| 15 | | | | | | | | | | | | |
| | | - | | | | | EOE | 3 @ 15 ft. | . BGS | | | |
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| | \downarrow | | | | | | | | | | | |
| | GRANL | | | | SIVE SOILS | NOTES: | a fila a silva | | | | | |
| | NS/FT -4 | | LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- End Petroleum | | | | | | |
| 4- | 10 | L | LOOSE | 2-4 | SOFT | | | | | | | |
| | -30 -50 | | . DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | |
| | | | | > 30 | HARD | | | | | | | |
| GENERAL | NOTES: | | | | | | ETWEEN SOIL TYPES. S AND UNDER CONDI | | | | | |
| | | | | | | | S AND UNDER CONDI OTHER FACTORS THAI | | | | | |
| | | MEAS | SUREMENTS ARE | E MADE. | | | | | | | | |

B-C-4

| | | | | | | <u> </u> | PROJE | <u>ECT</u> | REPOF | RT OF BORIN | G No. | | B-D-2 |
|--------------|-----------------------|----------|------------------|--|---------------------|--|----------|--------------------|------------|-----------------------|--------|---------|---------------------|
| 1 | 1/00 | ton | (&) So | mnec | SM | Co | onway | Park | | SHEET | - | 1 | OF 1 |
| | VVCS | 1011 | (0)00 | IIIpou | 4.1 | | mervill | | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | | | | NE Geotec | :h | | | G LOCATIO | | , | See | attache | |
| FOREM WSE RE | AN E presei | VITATIVI | <u>=</u> : | Maynor T | Γaylor Smith | | JATE S | ND SURFAC START | | | DATE E | | DATUM 7/27/18 |
| SAMPL | | | be 6610DT trac | | <u>, </u> | | <u> </u> | | | GROUNDWA ⁻ | | | |
| O'NIVII L | LIX. | | Sampler 2.25 inc | | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3 : | DT 22 2 | 2.25 inch PVC li | ners w/o catche | er | | F | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | \vdash | | \vdash | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMPI | LE DESCI | DIDTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | O∕UNII I | LE DLOG | AIFTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | <u> </u> | 0-5 | <u> </u> | N/A | | | Topsoi | il | | | TOPSOIL |
| | | | | | | | | Brown r | nedium | SAND fill | | | |
| | | | | | - | | | | | | | | |
| 5 - | | S-2 | | 5-10 | <u> </u> | + | D | t | " to o | - ~~~ CAND f | 211 | | FILL |
| | | | | | | | D | ark brown i | ine to co | oarse SAND f | ,III | | |
| | | | <u> </u> | | | | | | | | | | |
| 10 - | | 0.0 | | | | | | | | | | | |
| 10 | | S-3 | | 10-15 | | \vdash | | | | | | | |
| | | | | | <u> </u> | + | Gra | ay fine to m | edium S | SAND; some s | silt | | SAND |
| | | | | | | | | | | | | | |
| 15 🗕 | | - | <u> </u> | | <u> </u> | ╀ | | EOE | B @ 15 ft. | . BGS | | | |
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| 00 | | | | | <u> </u> | + | | | | | | | |
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| | GRANL | LAR SO | DILS | COHES | SIVE SOILS | NOTES: | | | | | | | |
| | WS/FT | [| DENSITY | BLOWS/FT | DENSITY | EOB- En | nd of b | - | | | | | |
| |)-4 -10 | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | Petroleur | ım odo | r | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAI | NOTES: | i) THE S | TRATIFICATION LI | | T THE APPROXIMATE | E BOUNDARY | Y BETWE | EN SOIL TYPES. | . TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | | | | MADE IN THE DRILL H | | | | | ATED ON THIS BOR | | i. | |

B-D-2

BORING No.

| | | | | | | <u>P</u> I | ROJECT | REPOF | RT OF BORIN | G No. | | B-D-3 |
|--------------|----------------------|--------------|--|--|------------------|--|---------------------------|------------|-----------------------|--------|----------|---------------------|
| 1 | 1/00 | ton | (&) So | mnoc | SM | Cor | nway Park | | SHEET | | 1 | OF 1 |
| | WES | IOI | (0)00 | Impsc | ИТ | | nway Park nerville, MA | | Project No. | | | 2180123 |
| | | | | | | | , | | CHKD BY | | | eph Spencer |
| BORING | | | | NE Geoted | ch | | ORING LOCATIO | | | See | attache | |
| FOREM | | | | Maynor | | | ROUND SURFAC | | | DATE | | DATUM |
| | EPRESE | | | | Taylor Smith | DP | ATE START | | | DATE E | | 7/27/18 |
| SAMPL | .ER: | | be 6610DT trac | | | | 2475 | | GROUNDWA ⁻ | | | |
| CASING | G: | | Sampler 2.25 inc 2.25 inch PVC lii | | ıer | | DATE N/A | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| | | | | | | | | | | | | |
| CASING | | 2.25 | | - | Direct Push | | | | | | | |
| DEPTH (feet) | CASING (blows/ft) | | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | SAMP | LE DESCI | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (IEEI) | NA | S-1 | NLO/FLIN (III) | 0-5 | DLOW0/0 | (ppm) N/A | | _ | | | | T0500H |
| | | | | | | | | Topsoi | | | i l | TOPSOIL |
| | | | | <u> </u> | | | Tan me | edium S | SAND fill | | j j | |
| | | | <u> </u> | | | + | | | | | i | |
| 5 - | | S-2 | | 5-10 | | | Dork brown f | ina ta a | oarse SAND f | :11 | j j | FILL |
| | | | | | | | Dalk blown ii | line to co | Jaise Sand i | "" | i l | |
| | | | | | | | | | | | | |
| | | | | | | i l | | | | | | |
| 10 - | | S-3 | <u> </u> | 10-15 | | | | | | | j j | |
| | . | | <u> </u> | <u> </u> | | | Gray fine | e SAND | ; some silt | | j j | SAND |
| | | | | ┼── | | + | - | | , | | i l | |
| 15 🗕 | | | | | | + | | | | | i | |
| 15 | | | | | | | EOF | B @ 15 ft. | . BGS | | j j | |
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| | GRANU | JLAR SC | OILS | COHES | SIVE SOILS | NOTES: | | | | | <u> </u> | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- End Petroleum | | | | | | |
| |)-4 -10 | | . LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | Petroleum | i odol | | | | | |
| |)-30 | | . DENSE | 4-8 | M. STIFF | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | |
| GENERAI | NOTES: | i) THE S | TRATIFICATION L | | | E BOUNDARY E | BETWEEN SOIL TYPES. | . TRANSIT | TONS MAY BE GRA | ADUAL. | | |
| | | | | | | | ES AND UNDER CONDI | | | | | |
| | | FLUC | CTUATIONS IN THE | E LEVEL OF GRC | DUNDWATER MAY OF | CCUR DUE TO | OTHER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |

B-D-3

BORING No.

| | | | | | | <u>P</u> | ROJECT | REPOR | RT OF BORIN | G No. | | B-D-4 |
|---------|------------------------|----------|----------------------------------|--|--|-----------|---|------------|---|--------|---------|---------------------|
| 1 | 1/00 | ton | &)Sc | mnec | SM | Co | nway Park | | SHEET | 1 | | OF 1 |
| | VVCS | IOI II | 0 | II I IPOC | וו | | nerville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | | | | NE Geote | | | ORING LOCATION | | | See | attache | |
| FOREM. | AN E prese i | ITATI\/F | | Maynor | Taylor Smith | | ROUND SURFAC ATE START | | | DATE E | | DATUM 7/27/18 |
| | | | | | | | AIL SIAITI | | | | | |
| SAMPL | EK: | | oe 6610DT trac ampler 2.25 in | | <u> </u> | | DATE | TIME | GROUNDWAT WATER AT | CASIN | | STABILIZATION TIME |
| CASING | 3: | | .25 inch PVC li | | ner | | N/A | 1114. | *************************************** | 0, .5 | | OT IDIELE WORK TIME |
| CASING | 0175. | 0.05 | | Method | Discot Book | | | | | | | |
| DEPTH | CASING | 2.25 | | SAMPLE | Direct Push | PID | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | SAMPL | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | Topso | | | | TOPSOIL |
| | | | | | _ | | Light brow | n mediı | um SAND fill | | | |
| | | | | | | | 5 | | 04110 | | | |
| 5 | | | | | | | Dark brown fi | ine to c | oarse SAND fi | III | | FILL |
| | _ | S-2 | | 5-10 | | | | Brick | | | | |
| | | | | + | <u> </u> | | Dark brown fi | | oarse SAND f | ill | | |
| | | | | | | | | Concre | | | | |
| 10 | _ | S-3 | | 10-15 | <u> </u> | | | | | | | |
| | | J-J | | 10.10 | 1 | | Oray fina | CANID | ollt | | | CAND |
| | | | | | | | Glay IIIie | SAIND | ; some silt | | | SAND |
| | | | | <u> </u> | <u> </u> | | | | | | | |
| 15 🗕 | | | | <u> </u> | <u> </u> | | EOE | 3 @ 15 ft. | . BGS | | | |
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| PI OI | GRANU WS/FT | T | DENSITY | BLOWS/FT | SIVE SOILS DENSITY | NOTES: | d of boring | | | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | Petroleum | | | | | | |
| | -10 | | OOSE. | 2-4 | SOFT | | | | | | | |
| | 1-30 1-50 | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | |
| | | | | > 30 | HARD | | | | | | | |
| GENERAL | NOTES: | | | | | | BETWEEN SOIL TYPES. ES AND UNDER CONDI | | | | | |
| | | | | | | | OTHER FACTORS THA | | | | | |
| | | MEAS | UREMENTS ARE | MADE. | | | | | | | | |

B-D-4

| | | | | | | | | PRO | JECT_ | REPOR | RT OF BORIN | G No. | | B-D-5 |
|-------------|--------------|-----|---------------------------------------|------------------|-----------------|---------------------|---------------------|--------|------------------|-------------|-----------------------|--------|---------|-----------------------|
| 1 | 16 | 20 | ton | (&) So | mnoo | SM | C. | 00146 | ay Park | | SHEET | - | 1 | OF 1 |
| | WE | 35 | IOI | (X)50 | mpsc | OT 1 | | | ille, MA | | Project No. | | | 2180123 |
| | | | | | | | 00 | 111011 | 1110, 1111 | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | | NE Geoted | ch | | BORI | NG LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | | Maynor | | | | JND SURFAC | E ELEV | <i>I</i> . | | | DATUM |
| WSE RE | PRE | SEN | IVITATIV | <u>:</u> | 7 | Γaylor Smith | | DATE | START | | 7/27/18 | DATE E | END . | 7/27/18 |
| SAMPL | ER: | | Geopro | be 6610DT trac | k mounted rig | | | | | (| GROUNDWA [*] | TER OE | SERVA | |
| O A O I N I | ٠. | | | Sampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | <i>i</i> : | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZI | E: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CAS | ING | | | SAMPLE | | PID | | CAMDI | E DESC | DIDTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blow | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAIVIPL | TE DESC | NIFTION | | NOTES | STRATUIVI DESCRIPTION |
| | N. | Α | S-1 | | 0-5 | | N/A | | Light brown | n madi | ı∞ CAND fill | | | |
| | | | | | | | | | Light brown | nmeaid | um SAND fill | | | |
| | | | | | | | | | | | | | | |
| 5 - | | | | | | | | | | | | | | TOPSOIL |
| _ | | | S-2 | | 5-10 | | | | Dark brown fi | ne to c | oarse SAND f | ill | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 10 - | | | | | 10-15 | | | | | | | | | |
| | | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | Gray fine | SAND | ; some silt | | | SAND |
| | | | | | | | | | | | | | | |
| 15 🗕 | | | | | | | - | | FOE | 3 @ 15 ft. | RGS | | | |
| | | | | | | | | | LOL | J (@ 13 1t. | . DG0 | | | |
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| | | | LAR SC | | | SIVE SOILS | NOTES: | | la a atra ar | | | | | |
| | WS/FT)-4 | | | LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- En Petroleu | | | | | | | |
| | -10 | | | LOOSE | 2-4 | SOFT | i direledi | 00 | .01 | | | | | |
| | -30 | | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 50 | | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| _ > | JU | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | DLINOE | > 30 | V. STIFF HARD | | | | | | | | |
| GENERAI | NOT | ES: | i) THE S | TRATIFICATION LI | | T THE APPROXIMATE | E BOUNDARY | Y BETV | VEEN SOIL TYPES. | TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | | | | | MADE IN THE DRILL I | | | | | | | i. | |
| | | | FLUC | TUATIONS IN THE | = LEVEL OF GRO | UNDWATER MAY O | JOUR DUE TO | U OTH | ER FACTORS THAI | N IHOSE | PRESENT AT THE | IIME | | |

B-D-5

BORING No.

| | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORIN | G No. | | B-E-1 |
|---------|--------------|----------|-----------------|----------------|-------------------|-----------|----------|----------------|-----------|----------------|----------|---------|---------------------|
| 1 | 1/00 | ton | (&) Sc | mnoc | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | WES | IOIII | (X) 50 | irripsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ech | - | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | AN | | | Maynor | | | GRO | UND SURFAC | CE ELE\ | 1. | | | DATUM |
| WSE RE | PRESE | NTATIVE | ≣ : | | Taylor Smith | | DATE | E START | | 7/26/18 | DATE E | ND | 7/26/18 |
| SAMPL | ER: | Geoprob | be 6610DT trac | k mounted ric |] | | | | | GROUNDWA1 | TER OB | SERVA | TIONS |
| | | | ampler 2.25 in | | | | - | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASING | 3: | DT 22 2 | .25 inch PVC li | ners w/o catcl | ner | | - | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASING | <u> </u> | | SAMPLE | 2 | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | | ropso | II | | | TOFSOIL |
| | | | | <u> </u> | 1 | | | | | | | | |
| | | | | | 1 | | | | | | | | |
| 5 | | S-2 | | 5-10 | | | 1 | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | <u> </u> | | Dark | brown fine to | coarse | SAND fill; sor | ne silt, | | EU. |
| | | | | | 1 | | | coal, we | ood, bri | ck, metal | | | FILL |
| 10 | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | 1 | | | | | | | | |
| 15 | | S-4 | | 15-20 | 1 | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | Gray | medium | n SAND | | | SAND |
| | | | | | 1 | | | | | | | | |
| 20 | | - | | | | | | EOI | B @ 20 ft | . BGS | | | |
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| | GRANL | ILAR SC | OILS | COHE | SIVE SOILS | NOTES | S: | | | | | | |
| BLO\ | NS/FT | 1 | ENSITY | BLOWS/FT | DENSITY | | | f boring | | | | | |
| | -4 | | LOOSE | 0-2 | V. SOFT | Petrole | eum o | dor | | | | | |
| | ·10 -30 | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| | -50 -50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERAL | NOTES: | | | | NT THE APPROXIMAT | | | | | | | | |
| | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | SUREMENTS ARE | | OUNDWATER MAY O | OCUIT DUE | . 10 011 | ILITACIONS IMA | uv IIIOSE | THESENTALIFIE | I IIVIL | | |

| | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORING | G No. | | B-E-3 |
|---------|------------|----------|----------------|----------------|--------------------------------------|---------|------------|------------------|-----------|--------------|--------|---------|---------------------|
| 1 | 1/00 | ton | &)So | mnoc | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | vve5 | | 0 | iripac | ווע | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | - | | | DATUM |
| WSE RE | PRESE | NTATIVE | : | | Taylor Smith | | DATE | START | | 7/26/18 | DATE E | :ND | 7/27/18 |
| SAMPL | ER: | | e 6610DT trac | | | | • | | _ | GROUNDWAT | | | |
| CACINIC | ٦. | | ampler 2.25 in | | | | 1 0 | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASING | J. | DT 22 2. | 25 inch PVC li | ners w/o catcr | ner | | • | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | CAMDI | E DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | - | REC/PEN (in) | | BLOWS/6" | (ppm) | | OAIVII I | L DLOC | TIII TION | | NOTES | STIATOW DESCRIPTION |
| | NA I | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | Б | C. | CAND (III | | | |
| | | | | | | | | Dark bro | | SAND fill | | | |
| 5 | | 0.0 | | - 10 | | | | | Brick | | | | FUL |
| | | S-2 | | 5-10 | | + | Da | ırk brown fine t | o coars | SAND fill: e | ome | | FILL |
| | | | | | | | Da | | | k, brick | OITIC | | |
| | | | | | | | | | | • | | | |
| 10 - | | S-3 | | 10-15 | | - | | | | | | | |
| | | 3-3 | | 10-13 | | + | | _ | | | | | 0.115 |
| | | | | | | | | Gray r | medium | n SAND | | | SAND |
| | | | | | | | | | | | | | |
| 15 | | 1 | | | | + | | FOF | 3 @ 15 ft | . BGS | | | |
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| | CDANII | JLAR SO | II C | COLLE | SIVE SOILS | NOTES | | | | | | | |
| BLO\ | WS/FT | | ENSITY | BLOWS/FT | DENSITY | _ | | f boring | | | | | |
| 0 | -4 | V. | LOOSE | 0-2 | V. SOFT | Petrole | | - | | | | | |
| | 10 | | OOSE DENSE | 2-4 | SOFT M. STIFF | | | | | | | | i |
| | -30 -50 | | DENSE ENSE | 4-8 8-15 | STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERAL | NOTES: | , | | | IT THE APPROXIMAT | | | | | | | | |
| | | | | | MADE IN THE DRILL DUNDWATER MAY C | | | | | | | | |
| | | | UREMENTS ARE | | | | | " ` | | | | | |

| | | | | | | 1 | | PRC | <u>JECT</u> | REPOR | RT OF BORIN | G No. | | B-E-4 |
|--------------|-------------|----------|-----------|-----------------------------------|-------------|-----------------------|-----------------|---------|-----------------------|------------|--------------------|--------|---------|---------------------|
| 1 | λ/6 | 20 | ton | (&) Sc | mnec | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | VV | | | (4)00 | ii i ipoc | 71 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | | ١. | | | NE Geoted | | | | ING LOCATIO | | | See | attache | |
| FOREM WSE RE | | ESEN | ITATIVE | Ξ. | Maynor | Taylor Smith | | | UND SURFAC E START | | 7. 7/27/18 | DATE I | | DATUM 7/27/18 |
| | | | | | | | | D/ (1) | 1 017 (111 | | | | | |
| SAMPL | EK. | | | be 6610DT trac sampler 2.25 in | | | | | DATE | TIME | GROUNDWA' WATER AT | | NG AT | STABILIZATION TIME |
| CASING | G: | | | .25 inch PVC li | | er | | | N/A | | | | | |
| CASING | SIZ | 'F· | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | | SING | | | SAMPLE | | PID | | 0.11.15 | | DIDTION ! | | | |
| (feet) | (blov | ws/ft) | No. | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | 7 | IA | S-1 | | 0-5 | | N/A | | | Topsoi | il | | | TOPSOIL |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 5 - | | | S-2 | | 5-10 | | | Da | rk brown fine | | | some | | FILL |
| | | | 0 2 | | 3 10 | | | | fra | ctured r | rock | | | 1122 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 10 | | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | Brown | mediur | m SAND | | | SAND |
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| 15 🗕 | | | | | | | | | FOI | B @ 15 ft. | DCC. | | | |
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| | 1 | <u>,</u> | | | | | | | | | | | | |
| BI O | GR WS/F | | LAR SC | DENSITY | BLOWS/FT | SIVE SOILS DENSITY | NOTES EOB- E | | boring | | | | | |
| 0 |)-4 | | V. | LOOSE | 0-2 | V. SOFT | Petrole | | | | | | | |
| | -10)-30 | | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | I |
| |)-50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENERAI | _N∩ | TES: | i) THE ST | FRATIFICATION I | > 30 | HARD T THE APPROXIMAT | E BOLINDA | RY RETI | WEEN SOIL TYPES | TRANSIT | IONS MAY RE GRA | ADUAI | | |
| J 11.171 | •0 | | | | | MADE IN THE DRILL | | | | | | | i. | |
| | | | | | | DUNDWATER MAY O | CCUR DUE | TO OTH | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |
| | | | IVIEAS | SUREMENTS ARE | IVIAUE. | | | | | | | | | |

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-E-5 |
|----------|-------------------|----------|---|----------------|--------------------------------------|---------|------|-----------------|-----------|-----------------|--------|---------|---------------------|
| 1 | 1/00 | ton | (&) Sc | mnoc | SM | | Conw | ay Park | | SHEET | 1 | I | OF 1 |
| | vve5 | IOI | (0)00 | ii i ipac | ווע | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | Jos | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | PRESE | NTATIVE | ======================================= | | Taylor Smith | | DATE | START | | 7/26/18 | DATE E | END | 7/26/18 |
| SAMPL | ER: | Geoprol | be 6610DT trac | k mounted rig | I | | | | | GROUNDWA | | | |
| C A CINI | ٦. | | Sampler 2.25 in | | | | - | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASING | J. | D1 22 2 | .25 inch PVC li | ners w/o catch | ner | | - | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMD | LE DESC | DIDTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | JAMI | LL DLOO | TIII TION | | NOTES | STRATOW DESCRIPTION |
| | NA I | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | | ΤΟΡδΟ | 11 | | | TOLOGIE |
| | | | | | | | | | | | | | |
| 5 - | | 0.0 | | F 40 | | | | | | | | | |
| | | S-2 | | 5-10 | | 1 | Da | rk brown fine | to coar | SE SAND fill: S | ome | | |
| | | | | | | | | ctured rock, co | | | | | FILL |
| | | | | | | | 1 | | | _ | | | |
| 10 | | S-3 | | 10-15 | | 1 | | | | | | | |
| | | <u> </u> | | 10-13 | | | | | | | | | |
| | | | | | | | • | Grav | medium | n SAND | | | SAND |
| | | | | | | 1 | | Glay | median | TOAIND | | | OAND |
| 15 🗕 | | | | | | | | EO | B @ 15 ft | . BGS | | | |
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| | ♦ GRANL | |) C | 00115 | | NOTES | | | | | | | |
| BLO | WS/FT | 1 | DENSITY | BLOWS/FT | SIVE SOILS DENSITY | | | boring | | | | | |
| 0 | -4 | V. | LOOSE | 0-2 | V. SOFT | Petrole | | - | | | | | |
| | 10 | | LOOSE | 2-4 | SOFT | | | | | | | | i |
| | -30 -50 | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERAL | NOTES: | , | | | NT THE APPROXIMAT | | | | | | | _ | |
| | | | | | MADE IN THE DRILL OUNDWATER MAY C | | | | | | | | |
| | | | SUREMENTS ARE | | | | 011 | | | | = | | |

| | | | | | | 1 | <u> </u> | PRO | <u>JECT</u> | REPOF | RT OF BORIN | G No. | | B-E-7 |
|--------------|--------------|--------|----------|-----------------|-----------------|---------------------------------------|------------|----------|---------------------|------------|-----------------------|--------|---------|---------------------|
| 1 | λ/ | 20 | ton | (&) Sc | mnec | SM | Co | าทพล | ıy Park | | SHEET | | 1 | OF 1 |
| | VV | | | (4)00 | ii i ipoc | 71 1 | | | ille, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | |). | | | NE Geoted | | | | NG LOCATIO | | | See | attache | |
| FOREM WSE RE | | FSFN | ITATIVE | =: | Maynor | Taylor Smith | | | JND SURFAC START | | | DATE I | | DATUM 7/26/18 |
| SAMPL | | | | pe 6610DT trad | | | | | | | GROUNDWA ⁻ | | | |
| O/NIVII L | LIX. | | | sampler 2.25 in | | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | Э: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | F | N/A | | | | | |
| CASING | SIZ | Έ: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CAS | SING | | | SAMPLE | | PID | | CAMD | LE DESCI | DIDTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | _ | ws/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAIVIF | LL DLSGI | HIF HON | | NOILS | STRATOW DESCRIPTION |
| | | 1A | S-1 | | 0-5 | | N/A | | | Topsoi | 1 | | | TOPSOIL |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 5 - | | | S-2 | | 5-10 | | | | | | | | | |
| | | | | | | | | ١ | Dark brown fi | ine to co | oarse SAND f | ill | | FILL |
| | | | | | | | | | | | | | | |
| 10 | | | | | 10.15 | | | | | | | | | |
| | | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | Gravu | medium | SAND | | | SAND |
| | | | | | | | | | Glay | median | IOAND | | | JAND |
| 15 🗕 | | | | | | | | | EOE | 3 @ 15 ft. | BGS | | | |
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| | | | LAR SC | | | SIVE SOILS | NOTES: | al - C | la a via -: | | | | | |
| | WS/F)-4 | T | | LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- End | d of I | boring | | | | | |
| 4- | -10 | | L | OOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| CENEDA | NO. | TEC: | 3 TUE 03 | EDATIFICATION: | > 30 | HARD | E DOUNDARY | / DET) . | EEN COL TYPE? | TDANOT | IONIC MANY DE CE | DUA | | |
| GENEKAL | _ INO | 1E9; | | | | T THE APPROXIMAT MADE IN THE DRILL | | | | | | | i. | |
| | | | FLUC | TUATIONS IN TH | E LEVEL OF GRO | DUNDWATER MAY O | | | | | | | | |
| | | | MEAS | SUREMENTS ARE | MADE. | | | | | | | | | |

| | | | | | | | PRO | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-E-9 |
|-----------------|----------------------|---------|------------------|--------------------|-------------------|--------------|--------|----------------------|-----------|-----------------------|--------|---------|---------------------|
| 1 | 1/00 | ton | 200 | mnoo | SM | | 20014 | ay Park | | SHEET | - | 1 | OF 1 |
| | wes | IOI | 0)50 | ampso | ווכ | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | Offici | ville, ivi/ | | CHKD BY | | | eph Spencer |
| BORING | 3 Co | | | NE Geote | ch | 1 | R∩RI | NG LOCATIO | N | ' | See | attache | nd nlan |
| FOREM | | | | Maynor | | | | UND SURFAC | | <u></u> | 000 | | DATUM |
| | PRESE | VTATIVE | : | | Taylor Smith | | | START | | · · | DATE E | | 7/26/18 |
| SAMPL | FR: | Geoprol | ne 6610DT tra | ck mounted rig | 1 | | | | | GROUNDWA ⁻ | TER OR | SFRVA | TIONS |
| O7 | | | ampler 2.25 ir | | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3: | DT 22 2 | .25 inch PVC | liners w/o catcl | ner | | | N/A | | | | | |
| CASING | CIZE. | 0.05 | | Madhad | Discot Book | | | | | | | | |
| | | 2.25 | | Method | Direct Push | 818 | | | | | | | |
| DEPTH (feet) | CASING (blows/ft) | No. | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (ICCI) | NA | S-1 | TILO/T LIV (III) | 0-5 | BLOVVO/O | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | Light brow | | um SAND fill | | | |
| | | | | | | | | _ | | | | | |
| | | | | | ļ | - | | Gray m | nedium | SAND fill | | | FILL |
| 5 | | S-2 | | 5-10 | - | | Br | own fine to co | arse SA | AND fill: some | silt | | |
| | | 02 | | 0.0 | | | | | ck, con | | Oirt, | | |
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| 10 | | S-3 | | 10-15 | | 1 | | | | | | | |
| | | 0-0 | | 10 10 | † | | | Gray r | mediun | n SAND | | | SAND |
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| 15 | | | | | | | | FOR | 3 @ 15 ft | RGS | | | |
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| | GRANU | I AR SC | II S | COHE | SIVE SOILS | NOTES | }· | | | | | | |
| BLO\ | NS/FT | | ENSITY | BLOWS/FT | DENSITY | EOB- E | | boring | | | | | |
| | -4 | | LOOSE | 0-2 | V. SOFT | 1 | | - | | | | | |
| | 10 | | OOSE | 2-4 | SOFT | | | | | | | | Ī |
| | -30 -50 | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERAL | NOTES: | , | | | IT THE APPROXIMAT | | | | | | | | |
| | | | | | MADE IN THE DRILL | | | | | | | | |
| | | HLUC | LIDEMENTS ADI | | OUNDWATER MAY O | CCUK DUE | 10011 | TER FACTORS THA | N IHUSE | LUESENI AL IHE | IIIVIĖ | | |

B-E-9

| | | | | | | | | PRC | J <u>ECT</u> | REPOR | RT OF BORIN | G No. | | B-E-11 |
|----------|--------------|-----|-----------|------------------|-----------------|---------------------|-----------|---------|------------------|------------|-----------------------|--------|---------|---------------------|
| 1 | 1/ | 20 | ton | (&) Sc | mnoc | SM | | Onw. | ay Park | | SHEET | - | 1 | OF 1 |
| | VVE | 35 | IOI | (X)30 | impsc | ит | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | , | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | | NE Geoted | ch | | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | PRE | SEN | ITATIVE | ≣: | | Taylor Smith | | DATE | START | | 7/27/18 | DATE E | END | 7/27/18 |
| SAMPL | ER: | | | oe 6610DT trac | | | | | | | GROUNDWA ⁻ | | | |
| C A CINI | ٦. | | | sampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | j : | | D1 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZ | E: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CAS | ING | | | SAMPLE | | PID | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blov | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | OAIVII I | LL DLOC | TIII TION | | NOTES | STRATOW DESCRIPTION |
| | N I | A | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 5 - | | | 0.0 | | 5.40 | | | | | | | | | |
| | | | S-2 | | 5-10 | | | Da | rk brown fine t | | | | | FILL |
| | | | | | | | | | concrete, br | rick, cor | ncrete, gravel | | | |
| | | | | | | | | | | | | | | |
| 10 - | | | S-3 | | 10-15 | | | | | | | | | |
| | | | J-3 | | 10 13 | | | | | | | | | |
| | | | | | | | | | Gravi | madium | n SAND | | | SAND |
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| DI O | | | LAR SC | | | SIVE SOILS | NOTES | | Larina | | | | | |
| | WS/F1)-4 | | | LOOSE | BLOWS/FT 0-2 | V. SOFT | EOB- E | na oi | boring | | | | | |
| | -10 | | | OOSE | 2-4 | SOFT | | | | | | | | |
| | -30 | | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 50 | | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | 50 | | ٧. | DLINGL | > 30 | HARD | | | | | | | | |
| GENERAL | NOT | ES: | i) THE ST | TRATIFICATION LI | INES REPRESEN | T THE APPROXIMATE | E BOUNDAI | RY BET | WEEN SOIL TYPES. | TRANSIT | TONS MAY BE GRA | ADUAL. | | |
| | | | | | | MADE IN THE DRILL I | | | | | | | | |
| | | | FI UC | TUATIONS IN THE | r i EVELOFGR∩ | DUNDWATER MAY OF | COUR DUF | IU ()TF | HER FACTORS THA | NIHOSE | PRESENT AT THE | IIME | | |

BORING No.

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | IG No. | | B-G-1 |
|---------------------------------------|-----------------|-----------|------------------|-----------------------|---------------------|--------------|---------|----------------------|------------|------------------|----------|---------|---------------------|
| 11/ | 00 | ton | G 90 | mpso | SM | l , | Conw | ay Park | | SHEET | | 1 | OF 1 |
| VV | es | OH | 0 | ii ipso | or i | | | ay raik ville, MA | | Project No. | | | 2180123 |
| | | | | | | | omor | villo, ivii t | | CHKD BY | | | eph Spencer |
| BORING Co | 1 | | | NE Geotec | ·h | | B∩R! | ING LOCATIO | N | | See | attache | nd nlan |
| FOREMAN | J. • | | | Maynor |) I I | | | UND SURFAC | | V. | 000 | | DATUM |
| WSE REPR | ESEN | TATIVE | : | | Taylor Smith | | | START | | 7/26/18 | DATE I | | 7/26/18 |
| SAMPLER: | | Geoprob | oe 6610DT trac | k mounted ria | | | | | | GROUNDWA | TER OF | SFRVA | TIONS |
| O | | | ampler 2.25 inc | | | | - | DATE | TIME | WATER AT | _ | NG AT | STABILIZATION TIME |
| CASING: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| 0.4.01410.015 | <u>.</u> | | | | | | - | | | | | | |
| CASING SIZ | | 2.25 | | | Direct Push | | | | | | | | |
| | SING ows/ft) | No. | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| , , | VA | S-1 | TILO/T LIV (III) | 0-5 | BLOW6/6 | N/A | | | Topso | oil | | | TOPSOIL |
| | | | | | | | | Light bro | | dium SAND | | | |
| | | | | | | | | | | | | | |
| | | | | | | | Dark | brown fine to | coarse | e SAND fill; so | me silt, | | FILL |
| 5 | | S-2 | | 5-7 | | | | bric | k, card | board | | | |
| | | 0-2 | | <i>- '</i> | | | 1 | | | | | | |
| | | | | | | | | Refu | ısal @ 7 : | ft. BGS | | | |
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| 10 | | S-3 | | | | | | | | | | | |
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| BLOWS/F | | AR SC | DENSITY | BLOWS/FT | SIVE SOILS DENSITY | | | boring | | | | | |
| 0-4 | | | LOOSE | 0-2 | V. SOFT | | | boning | | | | | |
| 4-10 | | | .OOSE | 2-4 | SOFT | | | | | | | | ' - |
| 10-30 | | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| 30-50 > 50 | | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| > 50 | | ٧. | DLINGE | > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL NO | TES: | i) THE ST | RATIFICATION LI | | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | . TRANSIT | TIONS MAY BE GRA | ADUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | i. | |
| | | | | | UNDWATER MAY O | CCUR DUE | TO OTH | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |
| | | MEAS | UREMENTS ARE | IVIAUE. | | | | | | | BORIN | IG No. | B-G-1 |

| | | | | | · · · | | PRC | <u>JECT</u> | REPOR | RT OF BORING | G No. | · | B-G-3 |
|---------|-------------------|----------|------------------|----------------|--|---------|----------|----------------------|--------------------|----------------|----------|---------|--------------------------------|
| 1 | 1/00 | ton | (&) Sc | mpoo | SM | | Conve | ay Park | | SHEET | - | 1 | OF 1 |
| | WES | ION | (0)00 | II IPSC | ווכ | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | 301 | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | - | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | AN | | | Maynor | | | | UND SURFAC | E ELEV | 1. | | | DATUM |
| WSE RE | EPRESE | IVITATIV | E: | | Taylor Smith | | DATE | START | | 7/26/18 | DATE E | END | 7/26/18 |
| SAMPL | ER: | Geopro | be 6610DT trac | k mounted rig | | | | | | GROUNDWA1 | TER OE | SERVA | TIONS |
| | _ | | Sampler 2.25 in | | | | - | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | 3 : | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | • | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | Ī | 0.1.15 | | DIDTION: | | | 070 171 11 1 0 0 0 0 0 0 0 0 1 |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | | Topso | | | | TOPSOIL |
| | | | | | | | | Light brov | wn mec | dium SAND | | | |
| | | | | | | | | | | CAND CII | | | FUL |
| 5 - | | | | | | | Dark | brown fine to | coarse k, cardl | | ne siit, | | FILL |
| 5 – | | S-2 | | 5-7 | | | | DITO | n, carui | Juaiu | | | |
| | | | | | | | | Rofin | sal @ 7 f | t BGS | | | |
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| | ▼ GRANU | I AR SC |)II.S | COHE | SIVE SOILS | NOTES | 3. | | | | | | |
| BLO' | WS/FT | | DENSITY | BLOWS/FT | DENSITY | | | boring | | | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | 1 | | J | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | i |
| |)-30)-50 | | . DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERAL | NOTES: | , | | | IT THE APPROXIMATI | | | | | | | | |
| | | | | | MADE IN THE DRILL I DUNDWATER MAY O | | | | | | | i. | |
| | | | SUREMENTS ARE | | SHOMATELL WAT OF | JOHNDUE | . 10 016 | OTONO IITAI | | . NEVENTAL THE | | | |
| | | | | | | | | | | | BORIN | IG No. | B-G-3 |

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-G-5 |
|--------|--------------|----------|------------------|----------------|-------------------|----------|--|------------------|-----------|------------------|-----------|---------|---------------------|
| 1 | 1/00 | ton | (&)Sc | mnoc | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | Wes | IOI | (0)00 | inpsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | • | BOR | NG LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | _ | UND SURFAC | | <i>.</i> | | | DATUM |
| WSE RI | EPRESEN | VITATIV | E: | | Taylor Smith | | DATE | START | | 7/26/18 | DATE E | ND | 7/26/18 |
| SAMPL | .ER: | Geopro | be 6610DT trac | ck mounted rig | | | | | | GROUNDWAT | TER OBS | SERVA | TIONS |
| | | DT 22 S | Sampler 2.25 in | ch | | | - | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | - | N/A | | | | | |
| CASING | 2 SIZE: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASING | 2.25 | | SAMPLE | Direct i dan | PID | <u>. </u> | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| , | NA | S-1 | , () | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | Light brov | wn med | dium SAND | | | |
| | | | | | | | | | | | | | |
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| 5 - | | S-2 | | 5-10 | | | | | | | | | |
| | | J-Z | | 3,10 | | 1 | Dark | brown fine to | | SAND fill; sor | ne silt, | | FILL |
| | | | | | <u> </u> | L | 1 | | brick | | | | |
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| 10 - | | 0.0 | | 40.45 | | | | | | | | | |
| | | S-3 | | 10-15 | | | | | | | | | |
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| | GRANU | LAR SC | OII S | COHE | SIVE SOILS | NOTES | 3. | | | | | | |
| BLO | WS/FT | | DENSITY | BLOWS/FT | DENSITY | | | boring | | | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | 1 | | J | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | | . DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 50 | | DENSE DENSE | 8-15 15-30 | V. STIFF | | | | | | | | |
| | 50 | ' | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION L | INES REPRESEN | IT THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | TONS MAY BE GRA | DUAL. | | |
| | | ii) WATE | R LEVEL READING | GS HAVE BEEN | MADE IN THE DRILL | HOLES AT | TIMES A | ND UNDER CONDI | TIONS ST. | ATED ON THIS BOF | RING LOG. | | |
| | | | | | OUNDWATER MAY O | CCUR DUE | TO OTH | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |
| | | MEAS | SUREMENTS ARE | WADE. | | | | | | ſ | BORING | G No. | B-G-5 |

| | | | | | | | PRC | <u>JECT</u> | REPOR | T OF BORING | No. | | B-G-7 |
|--------|--------------|------------|----------------|-----------------|--------------------|-----------|--------|------------------|--------------|------------------|---------|---------|---------------------|
| 1 | 11/00 | ton | 22/22 | mpso | SM | | Conw | ay Park | S | SHEET | 1 | | OF 1 |
| | WES | 1011 | 0 | ii iipso | | | | ville, MA | F | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co. | | | NE Geotec | h | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | CE ELEV. | _ | | | DATUM |
| WSE RI | EPRESE | NTATIVE: | | T | aylor Smith | | DATE | E START | 7/ | 26/18 C | DATE E | ND . | 7/26/18 |
| SAMPL | .ER: | Geoprobe | e 6610DT trad | ck mounted rig | | | | | G | ROUNDWATE | ER OBS | SERVA | TIONS |
| | | | mpler 2.25 in | | | | | DATE | TIME | WATER AT | CASIN | G AT | STABILIZATION TIME |
| CASIN | G: | DT 22 2.2 | 25 inch PVC li | ners w/o catche | er | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | | | | I | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESCRI | IPTION | | NOTES | STRATUM DESCRIPTION |
| | ŅA | S-1 | | 0-5 | | N/A | | | Topsoil | | | | TOPSOIL |
| | | | | | | | | Light bro | wn medii | um SAND | | | |
| | | | | | | | | | | | | | |
| _ | | | | | | 1 | Dar | k gray fine to d | coarse SA | AND fill; some | e silt, | | |
| 5 - | | S-2 | | 5-10 | | | | 0 , | coal, cor | | Í | | FILL |
| | | | | | | | | | | | | | I ILL |
| | | \vdash | | | | | Brov | wn fine to coar | ree etaine | A SAND fills | eme | | |
| | | | | | | 1 | Dio | | ck, coal, [| | SOITIC | | |
| 10 - | | S-3 | | 10-15 | | | | | П | _ | | | |
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| | | LAR SOII | | | IVE SOILS | NOTES | | | | | | | |
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| | -10 | | DOSE | 2-4 | SOFT | | | | | | | | |
| | 0-30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | 0-50 | | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. [| DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENFRA | L NOTES: | i) THE STR | ATIFICATION ! | | | E BOLINDA | RY RFT | WEEN SOIL TYPES. | TRANSITIO | NS MAY RE GRAD | UAI | | |
| | 5 . L 0. | | | | | | | AND UNDER CONDI | | | | | |
| | | | | | JNDWATER MAY C | CCUR DUE | то от | HER FACTORS THA | N THOSE PE | RESENT AT THE TI | ME | | |
| | | MEASU | REMENTS ARE | MADE. | | | | | | Γ | BORING | 3 No | B-G-7 |
| | | | | | | | | | | | | J. 14U. | D G 1 |

| | | | | | | | PRC | <u>JECT</u> | REPOI | RT OF BORIN | G No. | | B-G-9 |
|---------|------------|---------|------------------|----------------|--|----------|---------|---------------|----------|-----------------------|---------|---------|---------------------|
| 1 | 1/00 | ton | (&)Sc | mnoc | SM | | Conw | ay Park | | SHEET | - | 1 | OF 1 |
| | Wes | SIOI | (0)00 | inpsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | • | BOR | NG LOCATIO | N | | See | attache | ed plan |
| FOREM | IAN | | | Maynor | | | | UND SURFAC | E ELE | V. | | | DATUM |
| WSE RI | EPRESE | NTATIV | E: | | Taylor Smith | | DATE | START | | 7/26/18 | DATE E | END | 7/26/18 |
| SAMPL | ER: | Geopro | be 6610DT trac | ck mounted rig | | | | | | GROUNDWA ⁻ | TER OE | SERVA | TIONS |
| | | DT 22 S | Sampler 2.25 in | ch | | | | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | • | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASING | | | SAMPLE | Direct I dell | PID | | | | | | | |
| (feet) | (blows/ft) | | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | | Topso | | | | TOPSOIL |
| | | | | | | | | Light bro | wn med | dium SAND | | 1 1 | |
| | | | | | | | | | Concre | ete | | | |
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| | | | | | | Dric | ck, con | crete | | | | | |
| 10 - | | S-3 | | 10-12 | | | | | | | | | |
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| | GRANI | JLAR SO | DILS | COHE | SIVE SOILS | NOTES | | | | | | | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | End of | boring | | | | | |
| |)-4 -10 | | LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| |)-30 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| CENICDA | LNOTEC | 3 TUE 0 | TDATIFICATION | > 30 | HARD | E DOUNE: | DV DCT | MEEN COULTMES | TDANICI | FIONIC MAY BE CO. | DUA | | |
| GENEKA | L NOTES: | , | | | IT THE APPROXIMAT MADE IN THE DRILL | | | | | | | ì. | |
| | | | | | OUNDWATER MAY O | | | | | | | | |
| | | MEA | SUREMENTS ARE | MADE. | | | | | | i | | | |
| | | | | | | | | | | | BORIN | IG No. | B-G-9 |

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-G-11 |
|--------|--------------|-----------|----------------------------------|-----------------------|-------------------|----------|------------|------------------|---------------------|------------------|----------|---------|---------------------|
| 1 | 1/00 | ton | (F) SC | mpso | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | vve5 | | (0)00 | ii ripsc | 1 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | Jos | eph Spencer |
| BORING | G Co. | | | NE Geoted | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RI | EPRESEN | HAIIVE | =: | | Taylor Smith | | DATE | START | | 7/26/18 | DATE E | -ND | 7/26/18 |
| SAMPL | .ER: | | be 6610DT trac | | | | <u>.</u> 1 | | | GROUNDWA | | | |
| CASIN | · | | Sampler 2.25 in | ch iners w/o catch | | | • | DATE N/A | TIME | WATER AT | CASIN | NG AT | STABILIZATION TIME |
| CASIN | J. | D1 22 2 | 25 IIICH PVC II | mers w/o catch | EI | | • | IN/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | <u>.</u> | | | | | | |
| DEPTH | CASING | | - | SAMPLE | | PID | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | G/ ((V)) 1 | | | | | |
| | NA I | S-1 | | 0-5 | | N/A | | Light brov | Topso | dium SAND | | | TOPSOIL |
| | | | | | | | | Light bro | WITTICC | diditi OAND | | | |
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| 5 - | | S-2 | | F 10 | | | | | | | | | |
| | | 3-2 | | 5-10 | | | | | | 0.4.1.5 **** | | | |
| | | | | | | | Dark | brown fine to | coarse orick, co | | me silt, | | FILL |
| | | | | | | | | L | JIICK, CC | Jai | | | |
| 10 - | | S-3 | | 10-15 | | <u> </u> | | | | | | | |
| | | - 0 0 | | 10 10 | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | Gray r | mediun | n SAND | | | SAND |
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| DI O | GRANU | | | | SIVE SOILS | NOTES | | boring | | | | | |
| | WS/FT)-4 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | EOP- E | ind of | boning | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | |
| |)-30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | 50 | · · | DC: NOC | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | i) THE ST | TRATIFICATION L | INES REPRESEN | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | TIONS MAY BE GRA | ADUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | TUATIONS IN THI SUREMENTS ARE | | UNDWATER MAY O | CCUR DUE | IO OTH | HER FACTORS THA | IN THOSE | PRESENT AT THE | IIME | | |
| | | | | | | | | | | | BORIN | IG No. | B-G-11 |

| | | | | | | | PRC | DJECT | REPOR | RT OF BORIN | G No. | | B-I-1 |
|-----------|------------|----------|--|--|--|------------|---------------|-----------------|-----------|-----------------------|----------|---------|----------------------------|
| 1 | 1/00 | oton | (&) Sc | amner | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | WES | | (0)00 | Johnson | ווע | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | r | | | OUND SURFAC | | | | | DATUM |
| WSE RE | PRESE | NTATIVI | E: | | Taylor Smith | | DATE | E START | | 7/26/18 | DATE I | END | 7/26/18 |
| SAMPL | ER: | | be 6610DT tra | | j | | _ | | | GROUNDWA [*] | | | |
| O A CINIC | ٥. | | Sampler 2.25 in | | | | - | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | J. | DIZZZ | 2.25 inch PVC I | liners w/o cator | ier | | - | N/A | \vdash | | <u> </u> | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | <u>-</u> - | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft | | REC/PEN (in) | | BLOWS/6" | (ppm) | ╄ | J | | TIII TION | | | 011 W 11 ON 1 D 2 S S 1. S |
| , I | NA | S-1 | + | 0-5 | | N/A | ┨ | | Topso | il | ļ | | TOPSOIL |
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| 5 | | S-2 | | 5-10 | | ┼ | Bro | wn fine to coar | rse SAN | ND fill; some ξ | gravel, | | FILL |
| , I | | - 0 2 | + | 3.10 | | +- | 1 | brick, co | al, fract | tured rock | ļ | | I ILL |
| , I | | | | | | | 1 | | | | ļ | | |
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| 10 | _ | S-3 | + | 10-15 | | + | 1 | | | | | | |
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| | GRAN | ULAR SC | OILS | COHE | SIVE SOILS | NOTES | S: | | | | | | |
| | WS/FT | _ | DENSITY | BLOWS/FT | DENSITY | EOB- F | End of | f boring | | | | | |
| |)-4 -10 | | . LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| |)-30 | | I. DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENERAL | NOTES: | i) THE S | TRATIFICATION I | > 30 | HARD NT THE APPROXIMAT | LE BOLINDA | ARV RET | WEEN SOIL TYPES | TRANSIT | IONS MAY BE GR | ADLIAI | | |
| | - NOTES. | , | | | MADE IN THE DRILL | | | | | | | à. | |
| Ì | | | | | OUNDWATER MAY O | CCUR DUE | E TO OTH | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |
| | | MEAS | SUREMENTS ARE | E MADE. | | | | | | | | | |

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| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | IG No. | | B-I-3 |
|------------|--------------|----------|-----------------|-----------------|-------------------------------------|--------|------|----------------|----------|-----------------|---------|---------|---------------------|
| , | 11/00 | ton | (&) Sc | mnoo | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | WES | IOII | (0)00 | ii iipso | 1 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | - | | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geotec | h | • | BOR | NG LOCATIO | N | | See | attache | ed plan |
| FOREM | 1AN | | | Maynor | | | | UND SURFAC | | V. | | | DATUM |
| WSE R | EPRESE | IVITATIV | <u>:</u> | T | aylor Smith | | DATE | START | ı | 7/26/18 | DATE I | END | 7/26/18 |
| SAMPL | ER: | Geopro | be 6610DT trac | ck mounted rig | | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| | _ | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | .25 inch PVC li | ners w/o catche | er | | Ī | N/A | | | | | |
| CASINO | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | CRIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | | Topso | | | | TOPSOIL |
| | | | | | | 1 | Lię | ght brown me | dium S. | AND; some g | ravel | | |
| | | | | | | | | | | | | | |
| 5 - | | | | | | | Brov | wn fine to coa | rse SAI | ND fill; some (| gravel, | | FILL |
| J <u> </u> | | S-2 | | 5-10 | | | | brick, | fractur | ed rock | | | |
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| 10 - | | S-3 | | 10-15 | | | | | | | | | CAND |
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| | GRANU | LAR SC | OILS | COHES | SIVE SOILS | NOTES | S: | | | | | | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | | boring | | | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | | | | | | | | |
| | -10 0-30 | | LOOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | İ |
| | D-50 D-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | - 50 | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| 05::5- | . NOTE: | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTÉS: | | | | THE APPROXIMAT NADE IN THE DRILL | | | | | | | i | |
| | | | | | UNDWATER MAY O | | | | | | | • | |
| | | | SUREMENTS ARE | | | | | | | | | | |
| | | | | | | | | | | | BORIN | IG No. | B-I-3 |

| | | | | | | | PRO | J <u>ECT</u> | REPOR | RT OF BORIN | G No. | | B-I-5 |
|-----------------|---|------------|--|--------------------|--|----------------|---------|------------------|------------|--------------------|----------|-----------------|-----------------------------|
| 1 | 1/00 | ton | (F) QC | ampsc | SM | | ODW: | ay Park | | SHEET | | 1 | OF 1 |
| | WES | IOI | 0 | 11 IPSC | ווע | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | <u>LL</u> | | | · | | CHKD BY | | | eph Spencer |
| BORING | | | | NE Geote | | | | ING LOCATIO | | | See | attache | |
| FOREM. | AN E prese i | - - | | Maynor | | | | UND SURFAC | | | DATE | | DATUM 7/26/19 |
| | | | | | Taylor Smith | | DATE | START | | | DATE | | 7/26/18 |
| SAMPL | ER: | | be 6610DT trac Sampler 2.25 in | ck mounted rig | <u> </u> | | | DATE | TIME | GROUNDWA' WATER AT | | SSERVA NG AT | TIONS STABILIZATION TIME |
| CASING | 3: | | | liners w/o catch | ner | | | N/A | HIVI∟ | WAILITAI | UAG | NG AT | JIADILIZATION TIIVIL |
| 2 4 OINIC | 0175. | - 05 | | | 31 1B 1 | | | | | | | | |
| CASING | | 2.25 | | Method | Direct Push | חוח | | | | | | 1 | |
| DEPTH (feet) | CASING (blows/ft) | | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMPL | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | \longmapsto | | | | | | | TOLOGIE |
| | | | | + | | + | Bro | own fine to co | | | silt, | | |
| 5 | | | | | | | | | | tured rock | | | |
| | | S-2 | | 5-10 | | ┼ | | (| Concre | te | | | FILL |
| | | | | | | + | Та | an medium SA | ND; soi | me fractured | rock | | I ILL |
| | | | | | | | | | | | | | |
| 10 - | $-\!$ | S-3 | | 10-15 | | + | | Fra | ctured | rock | | | |
| | | | | <u> </u> | | | | | | | | | |
| | | | <u> </u> | <u> </u> | <u> </u> | | | Light brov | wn med | lium SAND | | | SAND |
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| | GRANI | JLAR SC |)II S | COHE | SIVE SOILS | NOTES: | | | | | | | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | | boring | | | | | |
| |)-4 -10 | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| | -10 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL | NOTES: | i) THE ST | TRATIFICATION L | | NT THE APPROXIMATE | E BOUNDAF | RY BETV | WEEN SOIL TYPES. | TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | ii) WATE | R LEVEL READIN | IGS HAVE BEEN N | MADE IN THE DRILL I | HOLES AT TI | IMES A | ND UNDER CONDI | TIONS STA | ATED ON THIS BO | RING LOG | ì. | |
| | | | CTUATIONS IN TH SUBEMENTS ARE | | OUNDWATER MAY O | CCUR DUE T | го отн | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |

B-I-5

| | | | | | · · · | | PRC | <u>JECT</u> | REPOF | RT OF BORING | G No. | | B-I-7 |
|---------|-------------------|---------|------------------|----------------|--|---------|--|----------------------|------------|----------------|---------|---------|---------------------|
| 1 | 1/00 | ton | (&)So | mpoo | SM | | Conve | ay Park | | SHEET | 1 | ı | OF 1 |
| | WES | IOI | (X)50 | II IPSC | ווכ | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | 201 | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | IAN | | | Maynor | | | GRO | UND SURFAC | | 1. | | | DATUM |
| WSE RE | EPRESE | NTATIVI | E: | | Taylor Smith | | DATE | E START | | 7/26/18 | DATE E | END | 7/26/18 |
| SAMPL | ER: | Geopro | be 6610DT trac | k mounted rig | | | | | (| GROUNDWAT | ER OB | SERVA | TIONS |
| | _ | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASING | G : | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | • | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | | Topsoi | | | | TOPSOIL |
| | | | | | | | | Light brown i | tine to n | nedium SAND |) | | |
| | | | | | | | | | | | | | Eu l |
| 5 - | | | | | | | Dark | brown fine to | coarse | SAND fill; sor | ne silt | | FILL |
| 5 – | | S-2 | | 5-7 | | | | | | | | | |
| | | | | | | | | Rofu | sal @ 7 f | t BGS | | | |
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| | ▼ GRANU | IARSC |)II S | COHE | SIVE SOILS | NOTES | <u>. </u> | | | | | | |
| BLO' | WS/FT | | DENSITY | BLOWS/FT | DENSITY | | | f boring | | | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | 1 | | <u> </u> | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | i |
| |)-30)-50 | | . DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERAL | L NOTES: | , | | | IT THE APPROXIMATI | | | | | | | | |
| | | | | | MADE IN THE DRILL I DUNDWATER MAY O | | | | | | | | |
| | | | SUREMENTS ARE | | SHOMATELL WAT OF | JOHNDUE | 1001 | | | EUENI AT THE I | | | |
| | | | | | | | | | | Γ | BORIN | G No. | B-I-7 |

| | | | | | · ', | | PRC | <u>JECT</u> | REPOR | RT OF BORIN | G No. | | B-I-9 |
|--------|-------------|---------|------------------|----------------|--------------------------------------|--------------|--------|-------------------------------|-----------|-----------------------|--------|---------|---------------------|
| 1 | 1/00 | ton | (&) Sc | mnoc | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | Wes | IOI | (0)00 | inpsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | • | BOR | NG LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | - | UND SURFAC | | <i>1</i> . | | | DATUM |
| WSE RI | EPRESEN | VITATIV | E: | | Taylor Smith | | DATE | START | | 7/26/18 | DATE | END | 7/26/18 |
| SAMPL | .ER: | Geopro | be 6610DT trac | ck mounted rig | | | | | | GROUNDWA ⁻ | TER OE | BSERVA | TIONS |
| | | DT 22 S | Sampler 2.25 in | ch | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | | N/A | | | | | |
| CASING | 2 CI7E: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASING | 2.23 | | SAMPLE | Direct Fusii | DID | _ | | | | | ı | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | PID (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (1001) | NA | S-1 | | 0-5 | 220.1.0,0 | N/A | | | - | "1 | | | TOROGII |
| | | | | | | | | | Topso | | | | TOPSOIL |
| | | | | | | | - | Light brov | vn med | dium SAND | | | |
| | | | | | | | Da | rk brown fine t coal, frac | | | some | | |
| 5 - | | S-2 | | 5-10 | | | | COal, II ac | lurea i | UCK | | | |
| | | | | | | | | | | | | | FILL |
| | | | | | | | | Brown | mediur | m SAND | | | |
| | | | | | | | | | | | | | |
| 10 - | | S-3 | | 10-15 | | | | | | | | | |
| | | | | 10 10 | | | Da | rk brown fine t | | | ome | | |
| | | | | | | | | ash, coal, fr | ractured | d rock[] | | | SAND |
| | | | | | | | | Brown | mediur | m SAND | | | SAND |
| 15 — | | | | | | | | | 3 @ 15 ft | | | | |
| | | | | | | | | EOE | 5 @ 13 II | . 503 | | | |
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| | GRANU | LAR SO | DILS | COHE | SIVE SOILS | NOTES | S: | | | | | | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | End of | boring | | | | | |
| | 10 | | . LOOSE LOOSE | 0-2 | V. SOFT SOFT | | | | | | | | |
| | -10)-30 | | . DENSE | 2-4 4-8 | M. STIFF | | | | | | | | 1 |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | , | | | IT THE APPROXIMAT | | | | | | | _ | |
| | | | | | MADE IN THE DRILL DUNDWATER MAY C | | | | | | | ì. | |
| | | | SUREMENTS ARE | | JOINDWATER MAY C | OCUM DUE | 10 011 | ILITACIUNS IHA | IN IUO9E | FNEOEINÍ AT THE | IIIVIE | | |
| | | • | | | | | | | | ļ | BORIN | NG No. | B-I-9 |

| | | | | | | | | PRO | <u>JECT</u> | REPOI | RT OF BORIN | IG No. | | B-I-11 |
|------------------|--------------|-----------|------------|---------------|--------------------|---------------------|-----------------|-------|--------------------------|-------------------|---------------|--------|---------|---------------------|
| 1 | 1/6 | 00 | ton | (F) (F) | ampso | SM | | Conw; | ay Park | | SHEET | | 1 | OF 1 |
| | VVE | 30 | Oll | (0)00 | al lipsc | ווכ | | | /ille, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING FOREM | | | | | NE Geote Mayno | | | | NG LOCATIO UND SURFAC | | 1 | See | attache | ed plan DATUM |
| WSE RE | | SEN | ITATIVE | Ξ: | iviayno | Taylor Smith | | | START | | v. 7/26/18 | DATE | | 7/26/18 |
| SAMPL | ER: | | Geoprol | pe 6610DT tra | ack mounted rig | | | 1 | | | GROUNDWA | TER OF | SERVA | |
| | | | DT 22 S | ampler 2.25 i | nch | | | | DATE | TIME | WATER AT | 1 | NG AT | STABILIZATION TIME |
| CASING | 3: | | DT 22 2 | .25 inch PVC | liners w/o catc | her | | | N/A | | | | | |
| CASING | SIZE | ≣: . | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CAS | | | I | SAMPLE | ī | PID | | SAMP | LE DESC | RIPTION | • | NOTES | STRATUM DESCRIPTION |
| (feet) | (blow | | No. S-1 | REC/PEN (in | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | Topso | | | | TOPSOIL |
| | Ĭ | | 0 1 | | - 00 | | 14/71 | Da | rk brown fine | | | some | | TOT GOIL |
| | | | | | | | | | | brick | | | | |
| | | | | | | | | | Tan fine | to med | ium SAND | | | |
| 5 | | | 0.0 | | F 40 | | | | | | | | | |
| | | | S-2 | | 5-10 | | | | | | | | | FILL |
| | | | | | | | | | | | 04415 (11) | | | |
| | | | | | | | | Da | rk brown fine | to coar: silt∏ | se SAND fill; | some | | |
| 10 | | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | Light brow | wn med | dium SAND | | | SAND |
| 15 🗕 | | | | | | | | | EOE | 3 @ 15 ft | :. BGS | | | |
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| | ▼ | A B II II | AD 00 | W 0 | 00115 | | NOTEC | | | | | | | |
| BLO ¹ | GRA WS/FT | | _AR SC | DENSITY | BLOWS/FT | SIVE SOILS DENSITY | NOTES EOB- E | | boring | | | | | |
| 0 | -4 | | V. | LOOSE | 0-2 | V. SOFT | | | Ü | | | | | |
| | -10 -30 | | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | ĺ |
| 30 | -50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |

HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.

> 30

BORING No.

B-I-11

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | PRO | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-K-1 |
|--------|--------------|-----------|-----------------|-----------------|--------------------|----------|---------|------------------|-----------|-----------------|--------|---------|---|
| 1 | 1/00 | ton | (&) Sc | mnoo | SM | | Conve | ay Park | | SHEET | - | 1 | OF 1 |
| | WES | IOII | (0)00 | 111080 | 11 | | | ille, MA | | Project No. | | | 2180123 |
| | | | | | | | 301 | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geotec | :h | • | BORI | NG LOCATIO | N | | See | attache | ed plan |
| FOREM | AN | | | Maynor | | | | JND SURFAC | | <i>/</i> . | | | DATUM |
| WSE RI | PRESE | ITATIVE | | T | aylor Smith | | DATE | START | | 7/25/18 | DATE I | END | 7/25/18 |
| SAMPL | ER: | Geoprol | be 6610DT trac | ck mounted rig | | | | | | GROUNDWA | TER OF | SERVA | TIONS |
| | _ | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASIN | 3 : | DT 22 2 | .25 inch PVC li | ners w/o catche | er | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | 0.4445 | | | l | | 077.47.44.77.00.00.00.00.00.00.00.00.00.00.00.00. |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPL | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | Medium brow | | | ما | | |
| | | | | | | | | WCCIGITI DIOW | WI OAN | D, some grav | CI | | |
| 5 - | | | | | | | | | | | | | |
| 0 | | S-2 | | 5-10 | | | Bro | wn fine to coa | | | brick, | | FILL |
| | | | | | | | | coal, silt | t, glass | , coal ash | | | |
| | | | | | | | | | | | | | |
| 10 - | | | | 10.15 | | | | | | | | | |
| | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | Light brov | wn med | dium SAND | | | SAND |
| | | | | | | | | | | | | | |
| 15 🗕 | | | | | | | | F.0.F | 20.45 | D00 | | | |
| | | | | | | | | EUE | 3 @ 15 ft | . BGS | | | |
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| | GRANU | | | | SIVE SOILS | NOTES | | | | | | | |
| | WS/FT)-4 | | LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- E | nd of | boring | | | | | |
| | -4 -10 | | LOOSE | 2-4 | V. SOFT | | | | | | | | |
| |)-30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERA | NOTES: | i) THE ST | TRATIFICATION L | | T THE APPROXIMAT | E BOUNDA | RY BETV | VEEN SOIL TYPES. | TRANSIT | TONS MAY BE GRA | ADUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | i. | |
| | | | | | UNDWATER MAY O | CCUR DUE | то отн | IER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |
| | | IVIEAS | SUREMENTS ARE | IVIAUE. | | | | | | | BORIN | IG No. | B-K-1 |

| | | | | | | | PRC | <u> DJECT</u> | REPOR | RT OF BORING | ì No. | i | B-K-3 |
|---------|-------------|-----------|----------------------------------|-----------------|-------------------|----------|--------|------------------|-----------|-------------------|--------|--------------------|---------------------|
| 1 | 1/00 | ton | &)So | mnoc | SM | l , | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | WES | 1011 | Q) 00 | irripsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | 011101 | VIII O, 1VIII (| | CHKD BY | | | eph Spencer |
| BORING | a Co | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | - | | Maynor | | | | UND SURFAC | | <i>I</i> . | 000 | | DATUM |
| WSE RE | PRESE | VTATIVE | : | | Taylor Smith | | DATE | E START | | 7/25/18 | DATE E | ND | 7/25/18 |
| SAMPL | ER: | Geoprob | e 6610DT trac | k mounted ric | | | | | | GROUNDWATE | ER OBS | SERVA [*] | TIONS |
| | | | ampler 2.25 in | | | | | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASING | €: | DT 22 2. | 25 inch PVC li | ners w/o catch | ner | | | N/A | | | | | |
| CASING | CIZE: | 2.25 | | Method | Direct Push | | Ī | | | | | | |
| DEPTH | CASING | 2.25 | | SAMPLE | Direct Fusii | PID | 1 | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| () | NA | S-1 | , () | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | Light brov | | dium SAND | | | |
| | | | | | | | | Light brot | WITTIGG | JIGITI GAIND | | | |
| | | - | | | | | Bro | wn fine to coa | rse SAN | ND fill; some wo | ood, | | |
| 5 | | S-2 | | 5-10 | † | | | fra | ctured | rock | | | FILL |
| | | | | | | | | | Brick | | | | |
| | | | | | | | | | | | | | |
| | | - | | | | | | | Concre | ie | | | |
| 10 | | S-3 | | 10-15 | <u> </u> | | | | | | | | |
| | | | | | | | | Light brov | wn mec | lium SAND | | | SAND |
| | | | | | | | | Light blot | WITTIOC | adin of a vib | | | O/ 11 VD |
| | | | | <u> </u> | | | | | | | | | |
| 15 🗕 | | | | | | | | EOE | 3 @ 15 ft | . BGS | | | |
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| DI O | | ILAR SO | | | SIVE SOILS | NOTES | | f la autora | | | | | |
| | NS/FT -4 | | ENSITY LOOSE | BLOWS/FT 0-2 | V. SOFT | EOB- E | ind o | f boring | | | | | |
| | .10 | | OOSE | 2-4 | SOFT | | | | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 50 | | DENSE | 8-15 15 30 | STIFF | | | | | | | | |
| > | 50 | ٧. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL | NOTES: | i) THE ST | RATIFICATION LI | | IT THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | IONS MAY BE GRAD | UAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | TUATIONS IN THI LIBEMENTS ARE | | OUNDWATER MAY O | CCUR DUE | TO OT | HER FACTORS THA | N THOSE | PRESENT AT THE TI | ME | | |

B-K-3

| | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-K-5 |
|-------------------|-----------------|-------------|-----------------|--------------------|----------|------------------|-----------------|------------|-----------------------|--------|---------|---------------------|
| 11/00 | ton(& | 200 | mnoc | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| WES | | | iripsc | ווע | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | =, | | CHKD BY | | | eph Spencer |
| BORING Co. | | | NE Geote | ch | - | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREMAN | | | Maynor | | | GRO | UND SURFAC | CE ELEV | V. | | | DATUM |
| WSE REPRESE | NTATIVE: | | | Taylor Smith | | DATE | START | | 7/25/18 | DATE | END . | 7/25/18 |
| SAMPLER: | Geoprobe 66 | 10DT trac | k mounted rig | | | | | | GROUNDWA [*] | TER OE | SERVA | TIONS |
| | DT 22 Sampl | | | | | =' <u>-</u> 1 | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING: | DT 22 2.25 in | nch PVC lir | ners w/o catch | er | | • | N/A | | | | | |
| CASING SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH CASING | | | SAMPLE | | PID | · | | | | | | |
| (feet) (blows/ft) | No. REC | C/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| NA | S-1 | | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | Liaht bro | wn med | dium SAND | | | |
| | | | | | | | - | | | | | |
| _ | | | | | | | | | | | | |
| 5 | S-2 | | 5-10 | | | | | | | | | FILL |
| | | | | | | Bro | own fine to co | | | coal, | | 1166 |
| | | | | | | | b | orick, gla | ass | | | |
| 4.0 | | | | | | | | | | | | |
| 10 | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | Light bro | wn med | dium SAND | | | SAND |
| | | | | | | | | | | | | |
| 15 | | | | | | | EO | B @ 15 ft | :. BGS | | | |
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| | ILAR SOILS | | | SIVE SOILS | NOTES | | | | | | | |
| BLOWS/FT 0-4 | DENSI V. LOC | | BLOWS/FT 0-2 | DENSITY V. SOFT | EOR- E | na oi | f boring | | | | | |
| 4-10 | LOOS | | 2-4 | SOFT | | | | | | | | |
| 10-30 | M. DEI | | 4-8 | M. STIFF | | | | | | | | |
| 30-50 | DENS | | 8-15 | STIFF | | | | | | | | |
| > 50 | V. DEN | NOE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL NOTES: | i) THE STRATIF | ICATION LI | | | E BOUNDA | RY BET | WEEN SOIL TYPES | . TRANSIT | TIONS MAY BE GRA | ADUAL. | | |
| | | | | MADE IN THE DRILL | | | | | | | i. | |
| | | ONS IN THE | | DUNDWATER MAY C | CCUR DUE | TO OTH | HER FACTORS THA | AN THOSE | PRESENT AT THE | TIME | | |

B-K-5

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | IG No. | | B-K-7 |
|----------|--------------|---------------------------------------|----------------------------------|-----------------|-------------------|----------|----------|------------------|-----------|-----------------|----------|---------|------------------------|
| 1 | 1/00 | ton | (&) Sc | mnoo | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | vve5 | IOI | (0)00 | ii i ipsc | 1 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co. | | | NE Geoted | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RI | EPRESEN | NTATIVE | <u>:</u> | | aylor Smith | | DATE | START | | 7/25/18 | DATE | END | 7/25/18 |
| SAMPL | .ER: | Geoprol | be 6610DT trac | k mounted rig | | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| O A OIN! | . | | Sampler 2.25 in | | | | . | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASIN | ے: | D1 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | CAMD | | POIDTION | <u> </u> | NOTEC | CTDATI IM DECODIDITION |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAIVIP | | CRIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA I | S-1 | | 0-5 | | N/A | | | Topso | oil | | | TOPSOIL |
| | | | | | | | | Light bro | wn med | dium SAND | | | |
| | | | | | | 1 | | | | | | | |
| 5 - | | | | | | | | | | | | | |
| - | | S-2 | | 5-10 | | | Bro | own fine to coa | arca SA | ND fill: some | coal | | FILL |
| | | | | | | | | ck, glass, slag | | | | | I ILL |
| | | | | | | | | | ink det | | , | | |
| 10 - | | 0.0 | | 10.15 | | | | | | | | | |
| | | S-3 | | 10-15 | | 1 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | Brown | mediu | m SAND | | | SAND |
| 15 - | | | | | | | | FOI | B @ 15 ft | BGS | | | |
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| DI O | GRANU | | | | SIVE SOILS | NOTES | | : harina | | | | | |
| | WS/FT)-4 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | EOB- E | ind of | boning | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | |
| |)-30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | 50 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | DC: NOC | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES: | i) THE ST | TRATIFICATION L | INES REPRESEN | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | . TRANSIT | TIONS MAY BE GR | ADUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | i. | |
| | | | TUATIONS IN THI SUREMENTS ARE | | UNDWATER MAY O | CCUR DUE | IO OTH | HER FACTORS THA | IN IHOSE | PRESENT AT THE | IIME | | |
| | | | | == | | | | | | | BORIN | IG No. | B-K-7 |

| | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORING | No. | _ | B-K-9 |
|---------|------------------------|---------|------------------|-----------------|--------------|--------------|--------|---------------|-------------|--|-----------|-------|---------------------|
| 1 | 1/00 | ton | (&)Sc | mnoc | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | Wes | IOI | (0)00 | inpsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See at | tache | d plan |
| FOREM | | | | Maynor | | | _ | UND SURFAC | | /. | | | DATUM |
| WSE RI | EPRESEN | VITATIV | E: | | Taylor Smith | | DATE | E START | | 7/25/18 E | DATE EN | D | 7/25/18 |
| SAMPL | .ER: | Geopro | be 6610DT trac | ck mounted rig | | | | | (| GROUNDWATE | ER OBSE | ERVA | TIONS |
| | | DT 22 S | Sampler 2.25 in | ch | | | - | DATE | TIME | WATER AT | CASING | | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | _ | N/A | | | | | |
| CASING | 2 CI7E: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | | 2.25 | | SAMPLE | Direct Fusii | DID | _ | | | | - | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | PID (ppm) | | SAMPI | LE DESC | RIPTION | N | OTES | STRATUM DESCRIPTION |
| (1001) | NA | S-1 | 1120/1 211 (111) | 0-5 | 220110,0 | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | Brown | | m SAND | | ı | |
| | | | | | | | | | | | | | |
| | | | | | | | _ | | | | | | |
| 5 - | | S-2 | | 5.10 | | | Brow | | | D fill; some coa | al, silt, | | |
| | | 3-2 | | 5-10 | | | 1 | tra | ctured i | TOCK | | | FILL |
| | | | | | | 1 | | | | | | | |
| | | | | | | | | | Brick | | | | |
| 10 - | | | | | | | Brow | | | D fill; some coa | al, silt, | | |
| 10 | | S-3 | | 10-15 | | | | fra | ctured i | rock | | ŀ | |
| | | | | | | | | | | | | | |
| | | | | | | | 1 | Brown | mediur | m SAND | | | SAND |
| 4.5 | | | | | | | | | | | | | |
| 15 🗕 | | | | | | | | EOE | 3 @ 15 ft. | . BGS | | ľ | |
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| 5 | GRANU | | | | SIVE SOILS | NOTES | | t la autorio | | | | | |
| | WS/FT)-4 | | DENSITY LOOSE | BLOWS/FT 0-2 | V. SOFT | EOR- I | =na o | f boring | | | | | |
| | - -4 -10 | | LOOSE | 2-4 | SOFT | | | | | | | | |
| |)-30 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| OENIEDA | NOTEO | 3 70-0 | TDATIFICATION | > 30 | HARD | E DOLLES | DV PC- | WEEN COURT OF | TD 4 \$ 10. | IONO MAY BE SS: | N. 141 | | |
| GENERA | L NOTES: | , | | | | | | | | IONS MAY BE GRAD ATED ON THIS BORII | | | |
| | | | | | | | | | | PRESENT AT THE TII | | | |
| | | | SUREMENTS ARE | | | 32 | | | | | | | |
| | | | | | | | | | | | BORING I | No. | B-K-9 |

| | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORING | G No. | | B-K-11 |
|---------------|-----------|-----------|--------------------------------|-----------------|--------------------|----------|----------|----------------------|-----------|------------------|-----------|---------|---------------------|
| 11 | 100 | ton | (F) (F) | ampso | SM | | Conw | ay Park | | SHEET | - | ı | OF 1 |
| V | ves | IOIII | 0 | arripsc | ווכ | | | ay raik ville, MA | | Project No. | | | 2180123 |
| | | | | | | | JOITICI | viiio, ivii t | | CHKD BY | | | eph Spencer |
| BORING | Co | | | NE Geote | ch | 1 | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREMA | | | | Maynor | | | _ | UND SURFAC | | <i>I</i> . | 000 | | DATUM |
| WSE REF | PRESE | VTATIVE | : | | Taylor Smith | | DATE | E START | - | 7/25/18 | DATE E | END | 7/25/18 |
| SAMPLE | R: | Geoprob | oe 6610DT tra | ck mounted rig | | | | | | GROUNDWAT | ER OB | SERVA | TIONS |
| | | DT 22 S | ampler 2.25 ir | nch | | | - | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASING | | DT 22 2 | .25 inch PVC I | iners w/o catch | ner | | - | N/A | | | | | |
| CASING : | SIZE: | 2.25 | | Method | Direct Push | | - | | | | | | |
| | CASING | 2.23 | | SAMPLE | Direct i usii | PID | 1 | | | | 1 | | |
| | blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | . () | 0-5 | | N/A | | | Topso | | | | TOPSOIL |
| | | | | | | | | Light brov | vn med | dium SAND | | | |
| | | | | | | | | | | | | | |
| | | | | | | | <u> </u> | | | | | | |
| 5 | | S-2 | | 5-10 | | | Brow | n fine to coars | | | al, silt, | | FILL |
| | | | | | | |] | ıra | ctured | TOCK | | | |
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| 10 | | S-3 | | 10-15 | | | 1 | | | | | | |
| | | | | | | | | Brown | mediur | m SAND | | | SAND |
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| | | LAR SC | | | SIVE SOILS | NOTES | | f boring | | | | | |
| BLOW 0-4 | | | LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- I | Ena oi | Donng | | | | | |
| 4-1 | | | OOSE. | 2-4 | SOFT | | | | | | | | |
| 10-3 | | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| 30-{ > 5 | | | DENSE DENSE | 8-15 15 20 | STIFF V. STIFF | | | | | | | | |
| <i>></i> 5 | | V. | DLINGE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL I | NOTES: | i) THE ST | RATIFICATION L | | IT THE APPROXIMAT | E BOUNDA | ARY BET | WEEN SOIL TYPES. | TRANSIT | TONS MAY BE GRA | DUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | TUATIONS IN TH UREMENTS ARE | | DUNDWATER MAY O | CCUR DUE | TO OT | HER FACTORS THA | N THOSE | PRESENT AT THE 1 | TIME | | |

BORING No.

B-K-11

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| | | | | | | | PRO | <u>JECT</u> | REPO | RT OF BORIN | IG No. | _ | B-L-8 |
| 1 | 1/0 | 100 | (2)00 | | SM | | O = | ay Park | | SHEET | | 1 | OF 1 |
| | wes | STOTI | (&)Sc | impsc | or i | | | ville, MA | | Project No. | | | 2180123 |
| Ì | | | | | | | onien | ville, iviA | | CHKD BY | | | eph Spencer |
| BORING | i Co | | | NE Geote | ch | | RORI | NG LOCATIOI | N | | See | attache | ed plan |
| FOREM | AN | | | Maynor | | | | UND SURFAC | | V. | | | DATUM |
| WSE RE | PRESE | NTATIV | E: | | Taylor Smith | | DATE | START | | 7/25/18 | DATE I | END | 7/25/18 |
| SAMPL | ER: | Geopro | be 6610DT trac | ck mounted rig | 1 | | | | | GROUNDWA | TER OF | SERVA | TIONS |
| | _ | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | 3: | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | • | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASINO | | | SAMPLE | | PID | | | | | | | |
| (feet) | (blows/f | | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPL | LE DESC | CRIPTION | | NOTES | STRATUM DESCRIPTION |
| | ŅΑ | S-1 | | 0-5 | | N/A | | | Topso | | | | TOPSOIL |
| | | | | | | | Ligh | nt brown medi | | | ctured | | |
| | | | | | | | | | rock | | | | |
| | | | | | | | | | | | | | |
| 5 | | | | | | | Da | rk brown fine t | to coar | se SAND fill: | some | | FILL |
| | | S-2 | | 5-10 | | | | | | some glass | | | |
| | | | | | | | | | | | | | |
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| 10 - | | 0.0 | | 10.15 | | | | | | | | | |
| | | S-3 | | 10-15 | | | | _ | | | | | 2 |
| | | | | | | | | Brown | mediu | m SAND | | | SAND |
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| 15 - | | - | | | | | | EOE | 3 @ 15 f | + PC9 | | | |
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| | | ULAR SO | | | SIVE SOILS | NOTES | | | | | | | |
| | NS/FT -4 | | DENSITY LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- E | nd of | boring | | | | | |
| | -4 ·10 | | LOOSE | 0-2 2-4 | V. SOFT | | | | | | | | |
| 10 | -30 | М | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 | V. STIFF | 1 | | | | | | | |

HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.

> 30

BORING No. B-L-8

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | PRO | JECT | DEDO | RT OF BORIN | IG No | | B-L-9 |
|-----------------|------------------|----------|-----------------|--------------------|-----------------|--------------|--------|--------------------------|----------|------------------------|--------|---------|------------------------|
| | | | | | 014 | | 1110 | <u>0201</u> | NEFU | | NG NO. | • | |
| 1 | We: | ston | (&) Sc | ampso | on | | | ay Park | | SHEET | | | OF1 |
| | | | | , | | S | omen | /ille, MA | | Project No. CHKD BY | | | 2180123 eph Spencer |
| | | | | | | | | | <u> </u> | CHILD DI | | | |
| BORING FOREM | | | | NE Geote Maynor | | | | NG LOCATIO JND SURFAC | | / | See | attache | ed plan DATUM |
| | | ENTATIV | E: | iviayiioi | Taylor Smith | | | START | | v. 7/25/18 | DATE | | 7/25/18 |
| SAMPL | | | be 6610DT tra | ok mounted ric | • | | • | | | GROUNDWA | TER OF | SEB//V | |
| OAIVII L | LIV. | _ | Sampler 2.25 in | | 3 | | • | DATE | TIME | WATER AT | 1 | NG AT | STABILIZATION TIME |
| CASING | 3: | | 2.25 inch PVC I | | her | | | N/A | | | | | |
| CACINIC | 0175. | 0.05 | | Madhad | Discret Break | | • | | | | | | |
| CASING | | | | Method | Direct Push | DID | I | | | | | | li . |
| DEPTH (feet) | CASIN (blows/ | | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| () | ŅA | S-1 | | 0-5 | | N/A | Ligh | t brown medi | um CAI | ND: some fre | oturod | | |
| | | | | | | | Ligi | it brown mean | rock | | ciurea | | |
| | | | | | | | | | 10010 | | | | |
| _ | | | | | | | | | | | | | FILL |
| 5 - | | S-2 | | 5-10 | | | Da | rk brown fine t | | | | | |
| | | | | | | | | coal ash, gla | ass, pe | at, slag, brick | (| | |
| | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | 1 | | | Brown | mediu | m SAND | | | SAND |
| | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |
| 10 | | | | | | | | EOE | B @ 15 f | t. BGS | | | |
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| | GRAN | IULAR SC | DILS | СОНЕ | SIVE SOILS | NOTES | | | | | | | |
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| |)-4 -10 | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| | -10 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
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| > | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| OENIEDAI | | | | > 30 | HARD | | | | | | | | |

GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.

BORING No. B-L-9

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG.
FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME
MEASUREMENTS ARE MADE.

| | | | | | | | | PRO | <u>JECT</u> | REPOR | RT OF BORIN | IG No. | | B-M-1 |
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| 1 | 1 | 00 | ton | (&) Sc | mnoc | SM | | Conwi | ay Park | | SHEET | - | 1 | OF 1 |
| | VV | 25 | IOI | (X) 30 | iripsc | 71 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | |). | | | NE Geoted | ch | | | NG LOCATIO | | , | See | attache | |
| FOREM WSE RE | | ESEN | ITATIVE | <u>:</u> | Maynor | Γaylor Smith | | | UND SURFAC START | | 7. 7/25/18 | DATE E | | DATUM 7/25/18 |
| SAMPL | | | | pe 6610DT trac | | | | | | | GROUNDWA | • | | |
| O/NIVII L | .LIX. | | | sampler 2.25 inc | | | | 1 1 | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | G: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZ | Έ: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CAS | SING | | | SAMPLE | | PID | | OAME | LE DE00 | DIDTION | | NOTEO | OTDATI IM DECODIDITION |
| (feet) | _ | ws/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | | IA | S-1 | | 0-5 | | N/A | | | | | | | |
| | | | | | | | | Ligh | nt brown medi | um SAN rock | ND; some frac | ctured | | FILL |
| | | | | | | | | | | TOCK | | | | |
| 5 - | 5 S-2 5-10 | | | | | | | | | | | | | |
| | S-2 5-10 | | | | | | | Da | rk brown fine | to coars | se SAND fill: s | some | | 25 |
| | | | | | | | | | | | at, slag, brick | | | SAND |
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| | | 7 A N !! ! | AD 00 | | 00115 | | NOTEC | <u> </u> | | | | | | |
| BLO' | GR WS/F | | LAR SC | DENSITY | BLOWS/FT | DENSITY | NOTES EOB- E | | boring | | | | | |
| C |)-4 | | V. | LOOSE | 0-2 | V. SOFT | 1 | . 21 | J | | | | | |
| | -10)-30 | | | OOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| |)-50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENERAI | L NO | TES: | i) THE ST | RATIFICATION I | > 30 NES REPRESEN | HARD T THE APPROXIMATE | BOUNDA | RY BFT\ | WEEN SOIL TYPES | TRANSIT | IONS MAY BE GR | ADUAL. | | |

BORING No. B-M-1

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG.
FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME
MEASUREMENTS ARE MADE.

| | | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORIN | G No. | | B-M-3 |
|---------|-------------|--------|----------|------------------|-----------------|---------------------|----------|--------|----------------------|-----------------------|-----------------|--------|---------|---------------------|
| 1 | 1/ | | ton | (6)00 | | SM | , | 20011 | ov Dork | | SHEET | | 1 | OF 1 |
| | W | S | IOI | (&) So | mpsc | ori | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | Offici | ville, iviA | | CHKD BY | | | eph Spencer |
| BORING | 3 Cc | 1 | | | NE Geoted | ·h | | BOR | NG LOCATIO | N | | Sec | attache | ed plan |
| FOREM | | • | | | Maynor | 711 | | | UND SURFAC | | <i>/</i> . | 000 | | DATUM |
| WSE RE | EPRI | ESEN | ITATIVE | : | | aylor Smith | | DATE | START | | 7/25/18 | DATE | END | 7/25/18 |
| SAMPL | ER: | | Geopro | be 6610DT trac | k mounted rig | | | | | | GROUNDWA | TER OE | BSERVA | TIONS |
| | | | | Sampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | 3 : | | DT 22 2 | 2.25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZ | 'F· | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | | SING | 2.20 | | SAMPLE | Direct 1 doi: | PID | | | | | | | |
| (feet) | | ws/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | Ŋ | IΑ | S-1 | | 0-5 | | N/A | | | Topso | | | | TOPSOIL |
| | | | | | | | | L | ight brown me | edium S | SAND; some of | coal | | |
| | | | | | | | | | | | | | | |
| _ | | | | | | | | | | | CANID CII | | | EUL |
| 5 - | | | S-2 | | 5-10 | | | Da | rk brown fine | to coars coal, bri | | some | | FILL |
| | | | | | | | | | | Joai, Dii | CK | | | |
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| 10 | | | | | | | | | Light bro | wn med | lium SAND | | | SAND |
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| BLO' | ws/⊦)-4 | | | DENSITY LOOSE | BLOWS/FT 0-2 | V. SOFT | EOB- E | na oi | boring | | | | | |
| | -10 | | | LOOSE | 2-4 | SOFT | | | | | | | | |
| | -30 | | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAI | NO. | TES: | i) THE S | TRATIFICATION LI | | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES | . TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | | | | | MADE IN THE DRILL I | | | | | | | ì. | |
| | | | FLUC | TUATIONS IN THE | E LEVEL OF GRO | UNDWATER MAY O | CCUR DUE | TO OTH | HER FACTORS THA | AN THOSE | PRESENT AT THE | TIME | | |

BORING No.

| | | | | | | | | PRC | JECT | REPOF | RT OF BORIN | G No. | | B-M-5 |
|--------|------------|--------|---------|------------------|-----------------|--------------------|--------|--------|----------------------|------------|-----------------------|--------|---------|---------------------|
| 1 | 1/ | 00 | ton | (C) (C) | mnoo | SM | , | 2001 | ov Pork | | SHEET | | 1 | OF 1 |
| | W. | S | On | & So | mpsc | Of 1 | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | Offici | viiio, ivii t | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co |). | | | NE Geoted | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | ΑN | | | | Maynor | | | | UND SURFAC | | <i>I</i> . | | | DATUM |
| WSE RE | PRE | ESEN | ITATIVE | : | | Taylor Smith | | DATE | START | | 7/25/18 | DATE I | END | 7/25/18 |
| SAMPL | ER: | | Geoprob | oe 6610DT trac | k mounted rig | | | | | (| GROUNDWA [*] | TER OE | SERVA | TIONS |
| | | | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | 3: | | DT 22 2 | .25 inch PVC lir | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZ | Έ: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | | SING | | | SAMPLE | | PID | | | | | | | |
| (feet) | | ws/ft) | No. | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | V | IΑ | S-1 | | 0-5 | | N/A | 1 | ight brown me | edium S | AND: some o | nal | | |
| | | | | | | | | | rk brown fine | | | | | |
| | | | | | | | | Da | | fracture | | onne | | FILL |
| | | | | | | | | | | Concre | te | | | |
| _ | | | | | | | | Da | rk brown fine | | | ome | | |
| 5 | | | S-2 | | 5-10 | | | | brick, | fracture | ed rock | | | |
| | | | - 0 - | | 0.10 | | | | | | | | | |
| | | | | | | | | | Light brow | wn med | lium SAND | | | SAND |
| | | | | | | | | | | | | | | |
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| 10 | -30 | | M. | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
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GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.

BORING No. B-M-5

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | PRC | <u>DJECT</u> | REPO | RT OF BORIN | G No. | | B-M-7 | |
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| 1 | 1/00 | eton | (&) Sc | mnec | SM | , | Conw | ay Park | | SHEET | 1 | 1 | OF 1 | |
| | VVC | | (0)00 | al ripoc | <i>)</i> | | | ville, MA | | Project No. | | | 2180123 | |
| | | | | | | | | | | CHKD BY | | Jose | eph Spencer | |
| BORING | | | | NE Geote | | | | ING LOCATIO | | | See | attache | | |
| FOREM | | NITATIV | | Maynor | | | | UND SURFAC | | | DATE | | DATUM | |
| | | NTATIV | <u> </u> | | Taylor Smith | | DAIL | E START | | | DATE E | | 7/25/18 | |
| SAMPL | .ER: | | bbe 6610DT tra | | <u> </u> | | - | DATE | _ | GROUNDWATER AT | | | | |
| CASING | 3 : | | Sampler 2.25 ir 2.25 inch PVC l | | her | | - ' | DATE N/A | TIME | WATER AT | CASIN | IG A i | STABILIZATION TII | VIE |
| | | | | | | | • | , | | | | | | |
| CASING | | 2.25 | | Method | Direct Push | | | | | | | | | |
| DEPTH | CASING | | DEC/DENI/C | SAMPLE | T DI OMO/OI | PID | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIP | TION |
| (feet) | (blows/ft NA |) No. S-1 | REC/PEN (in) | 0-5 | BLOWS/6" | (ppm) N/A | ├─ | | | | $\overline{}$ | | | |
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| |)-4 | | . LOOSE | 0-2 | V. SOFT | 1 5 5 | 211G OI | bomig | | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | | |
| |)-30)-50 | | I. DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | | |
| | 50 | | . DENSE | 15-30 | V. STIFF | | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | | |
| GENERAI | _ NOTES: | , | | | NT THE APPROXIMAT MADE IN THE DRILL | | | | | | | | | |
| | | | | | OUNDWATER MAY O | | | | | | | | | |
| | | MEA: | SUREMENTS ARE | E MADE. | | | | | | | | | | |

| | | | | | | 1 | PROJEC | CT | REPOR | RT OF BORIN | G No. | | B-M-8 |
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| 1 | 1/00 | ton | (&) Sc | mnec | SM | C | onway P | Park | | SHEET | - | 1 | OF 1 |
| | vves | | (0)00 | ii iipac | / 1 | | merville, | | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co. | | | NE Geoted | ch | Е | BORING | LOCATIO | N | | See | attache | ed plan |
| FOREM | | | _ | Maynor | | | | D SURFAC | | | | | DATUM |
| WSE R | EPRESE | NTATIV | E: | | Taylor Smith | | DATE ST | ART | | 7/25/18 | DATE I | END | 7/25/18 |
| SAMPL | .ER: | | be 6610DT trac | | | | | | _ | GROUNDWA [*] | | | |
| CASING | <u> </u> | | Sampler 2.25 in 2.25 inch PVC li | | or. | | - | DATE N/A | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASIN | J. | D1 22 2 | 2.23 | ners w/o caton | ei . | | | IN// | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | | REC/PEN (in) | | BLOWS/6" | (ppm) | | 0, 1111 | | | | | |
| | NA — | S-1 | | 0-5 | | N/A | | Light bro | wn mec | lium SAND | | | |
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| | GRANU | JLAR SO | DILS | COHES | SIVE SOILS | NOTES: | | | | | | | |
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| |)-4 -10 | | LOOSE LOOSE | 0-2 | V. SOFT SOFT | | | | | | | | |
| | - 10)-30 | | . DENSE | 2-4 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENERAI | NOTES: | i) THE 9 | TRATIFICATION I | > 30 | HARD T THE APPROXIMAT | F BOUNDARY | Y BETWEEN | N SOIL TYPES | TRANSIT | IONS MAY BE GRA | ADUAI | | |
| ∼⊏. 4⊏! I∕\l | _ 110120. | , | | | MADE IN THE DRILL | | | | | | | i. | |
| | | | | | UNDWATER MAY O | | | | | | | | |

BORING No.

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORING | a No. | | B-M-9 |
|---------|----------------|----------|----------------------------------|-----------------|-----------------------|--|----------|------------------|-----------|-------------------|--------|---------|---------------------|
| 1 | 1/00 | ton | (&) Sc | mnec | SM | Ι, | Conw | ay Park | | SHEET | 1 | I | OF 1 |
| | WES | 1011 | (0)00 | ii ripsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BOR | ING LOCATIO | V | | See | attache | ed plan |
| FOREM | IAN | | | Maynor | | | | UND SURFAC | E ELE | | | | DATUM |
| WSE RE | EPRESE | IVITATIV | Ε: | | Taylor Smith | | DATE | START | | 7/25/18 [| DATE E | END | 7/25/18 |
| SAMPL | ER: | Geopro | be 6610DT trad | ck mounted rig | | | | | | GROUNDWAT | ER OB | SERVA | TIONS |
| | | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASIN | IG AT | STABILIZATION TIME |
| CASING | G: | DT 22 2 | 2.25 inch PVC li | iners w/o catch | ner | | • | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASING | | | SAMPLE | 2 | PID | <u> </u> | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPL | E DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | ŅA | S-1 | | 0-5 | | N/A | | Light brow | vn mac | dium SAND | | | |
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| 5 - | | S-2 | | 5-10 | | | 1 | | | | | | |
| | | | | | | | I | Dark brown fi | ne to c | oarse SAND fill | l | | |
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| 10 - | | S-3 | | 10-15 | | | 1 | | | | | | |
| | | | | | | | | Light brow | vn med | dium SAND | | | SAND |
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| |)-4 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | EOD- E | zna oi | boning | | | | | |
| | -10 | l | LOOSE | 2-4 | SOFT | | | | | | | | |
| |)-30 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | JU | V. | DLINGE | > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL | L NOTES: | i) THE S | TRATIFICATION L | | IT THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | TIONS MAY BE GRAD | DUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | CTUATIONS IN TH SUREMENTS ARE | | OUNDWATER MAY O | CCUR DUE | TO OT | HER FACTORS THAI | N THOSE | PRESENT AT THE T | IME | | |
| | | IVIEAS | DOUCINICIALD WHE | . IVIAUE. | | | | | | | | | |

| | | | | | | | PRC | <u> DJECT</u> | REPO | RT OF BORING | G No. | | B-M-10 |
|----------|--------------|-----------|----------------|----------------|--|------------|--------|------------------|-----------|-------------------|--------|---------|---------------------|
| 1 | 1/00 | ton(| 22/22 | mpsc | SM | | ີດnw | ay Park | | SHEET | 1 | 1 | OF 1 |
| | WES | Dill | Q) 00 | ii i ipsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | Jos | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | <i>V</i> . | | | DATUM |
| WSE RE | PRESE | TATIVE: | | | Taylor Smith | | DATE | E START | | 7/25/18 | DATE E | END | 7/25/18 |
| SAMPL | ER: | Geoprobe | e 6610DT trac | k mounted rig | | | | | | GROUNDWAT | TER OB | SERVA | TIONS |
| | | | mpler 2.25 in | | | | | DATE | TIME | WATER AT | CASIN | NG AT | STABILIZATION TIME |
| CASING | 3: | DT 22 2.2 | 5 inch PVC li | ners w/o catch | ner | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | 2.20 | | SAMPLE | Direct i dan | PID | | | | | | | |
| (feet) | (blows/ft) | No. I | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | SAMPL | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | , | 0-5 | | N/A | | Light brow | wa mac | OIAA2 cauib | | | |
| | | | | | | | | | | dium SAND | | | |
| | | | | | | | Br | own fine to me | edium S | SAND; some b | rick | | |
| | | | | | | - | | | | | | | FILL |
| 5 - | | S-2 | | 5-10 | | | Da | ark brown fine t | to coars | se SAND fill; s | ome | | 1122 |
| | | | | | | | | brick, | fracture | ed rock | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | Light brov | wn mer | dium SAND | | | SAND |
| | | | | | | | | Light blot | WITTIEC | alam OAND | | | OAND |
| | | | | | | | | | | | | | |
| 15 | | | | | | | | EOE | 3 @ 15 ft | :. BGS | | | |
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| | GRANU | LAR SOIL | _S | COHE | SIVE SOILS | NOTES | | | | | | | |
| | NS/FT | | NSITY | BLOWS/FT | DENSITY | EOB- E | nd of | f boring | | | | | |
| | -4 ·10 | | OOSE OOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. D | DENSE | 15-30 | V. STIFF | | | | | | | | |
| OENICO A | NOTEO | 3 TUE ST | ATIFICATION::: | > 30 | HARD | E DOUBLE : | DV D== | WEEN COURT OF | TDANO: | TIONIC MAY BE SET | DUA | | |
| GEINERAL | NOTES: | | | | IT THE APPROXIMAT MADE IN THE DRILL | | | | | | | | |
| | | | | | DUNDWATER MAY O | | | | | | | | |
| | | MEASII | REMENTS ARE | MADE | | | | | | | | | |

| | | | | | | | <u>PROJECT</u> | REPORT OF BORING | No. | B-M-11 |
|---------|--|------------|--------------------------------------|--|--|----------------|------------------------|---|------------|--|
| , | 11/00 | ton | (&) So | mner | SM | | Conway Park | SHEET | 1 | OF 1 |
| | WES | 1011 | (d) | 11 Ihac | ווכ | | Somerville, MA | Project No. | | 2180123 |
| | | | | | L L | | | CHKD BY | Jos | seph Spencer |
| BORING | G Co. | | | NE Geote | ech | | BORING LOCATION | N | See attach | ed plan |
| FOREM | | | | Maynor | | | GROUND SURFAC | | | DATUM |
| WSE H | EPRESEN | 1TA HV | E: | | Taylor Smith | | DATE START | | ATE END | 7/25/18 |
| SAMPL | .ER: | | obe 6610DT trac | | <u> </u> | | | GROUNDWATE | | |
| CASIN | C. | | Sampler 2.25 inc 2.25 inch PVC li | | har | | DATE N/A | TIME WATER AT | CASING AT | STABILIZATION TIME |
| U/UII 1 | Э. | DIZZZ | 2.25 HIGHT VO | TIEIS W/O Cator | lei | | | | | + |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | SAMPI | LE DESCRIPTION | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | No. S-1 | REC/PEN (in) | ` ' | BLOWS/6" | (ppm) | ├── | | | S |
| | NA | 2-1 | + | 0-5 | | N/A | Dark brown f | fine to medium SAND | | |
| | | <u> </u> | <u> </u> | <u> </u> | | +_ | Light brown f | fine to medium SAND | | |
| | | | | | | | | | | FILL |
| 5 - | | S-2 | | 5-10 | | ' | | to coarse SAND fill; sor | me | |
| | | 3-2 | + | 3-10 | + | + | brick, | fractured rock | | |
| | | | | | | | <u>1</u> | | | |
| | | | | <u> </u> | <u> </u> | ' | <u> </u> | _ | | |
| 10 - | | S-3 | + | 10-15 | | + | 1 | | | |
| | | | | | | | Light brov | wn medium SAND | | SAND |
| | | | | | | _ |] | | | |
| | | <u> </u> | | | | + | - | | | |
| 15 - | | | † <u> </u> | <u> </u> | † | | EOE | B @ 15 ft. BGS | | |
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| 00 | | — | + | - | + | + | 1 | | | |
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| | | | <u> </u> | | | <u> </u> |] | | | |
| | GRANU | II AR SC | OII S | COHE | SIVE SOILS | NOTES | <u>S</u> · | | | <u>. </u> |
| BLO | WS/FT | [| DENSITY | BLOWS/FT | | | End of boring | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | 1 | | | | |
| | -10 0-30 | | LOOSE 1. DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | |
| | D-50 | | DENSE | 8-15 | STIFF | | | | | |
| > | - 50 | V | . DENSE | 15-30 | V. STIFF | | | | | |
| OENIEDA | I NIOTES: | n THE C | TO A TICIO A TION I | > 30 | HARD | E BOLINDA | ADV DETMEEN COIL TYDES | TO A MOUTION IS MAY BE COAD! | 1141 | |
| GENERA | L NUTES. | | | | | | | . TRANSITIONS MAY BE GRADU ITIONS STATED ON THIS BORIN | | |
| | | | | | | | | N THOSE PRESENT AT THE TIM | | |
| | | MEA | SUREMENTS ARE | : MADE. | | | | | | |

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | IG No. | | B-N-7 |
|-----------------|------------------|----------|-------------------|--------------------|--------------------------------------|--------------|--------|----------------------|----------|------------------|--------|---------|---------------------|
| 1 | 1/0 | oton | (6)00 | mnoc | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | we | SIOI | (&) Sc | ampsc | Of 1 | | | ay raik ville, MA | | Project No. | | | 2180123 |
| | | | | | | | ounei | ville, iviA | | CHKD BY | | | eph Spencer |
| BORING | 2 00 | | | NE Geote | ah. | 1 | DOD. | ING LOCATIO | N.I | | 200 | attache | |
| FOREM | | | | Maynor | JII | | | UND SURFAC | | V | 366 | | DATUM |
| | | ENTATIV | /E: | | Taylor Smith | | | E START | | 7/25/18 | DATE | | 7/25/18 |
| SAMPL | FR· | Georg | obe 6610DT tra | | | | | | | GROUNDWA | TER OF | RSFRVA | TIONS |
| O/ ((V)) | | | Sampler 2.25 ir | | | | - | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASIN | G : | | 2.25 inch PVC I | | er | | - | N/A | | | | | |
| | | | | | | | - | | | | | | |
| CASING | | | | Method | Direct Push | | | | | | | | |
| DEPTH (feet) | CASIN (blows) | | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMP | LE DESC | CRIPTION | | NOTES | STRATUM DESCRIPTION |
| (ICCI) | NA | S-1 | TILO/T LIV (III) | 0-5 | BLOVVO/O | N/A | | | | | | | |
| | | | | | | , | | Brown fine | e to me | edium SAND | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | FILL |
| 5 - | | S-2 | | 5-10 | | | Da | ırk brown fine | to coar | rse SAND fill: s | some | | FILL |
| | | <u> </u> | | 0.10 | | 1 | 4 | ick, fractured | | | | | |
| | | | | | | | | | | | | | |
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| 10 - | | S-3 | | 10-15 | | | 1 | | | | | | |
| | | | | 10 10 | | | | Drown | madii | ım SAND | | | SAND |
| | | | | | | | | DIOWII | meaic | IIII SAND | | | SAND |
| | | | | | | | | | | | | | |
| 15 🗕 | | | | | | | - | FO | B @ 15 f | t. BGS | | | |
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| | GRAN | NULAR S | OILS | COHES | SIVE SOILS | NOTES | S: | | | | | | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | End of | f boring | | | | | |
| |)-4 | | /. LOOSE | 0-2 | V. SOFT | | | | | | | | |
| | -10)-30 | | LOOSE 1. DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | \ | /. DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERA | L NOTES | | | | T THE APPROXIMAT | | | | | | | | |
| | | | | | MADE IN THE DRILL DUNDWATER MAY C | | | | | | | a. | |
| | | | ASUREMENTS ARE | | | | | | | | | | |
| | | | | | | | | | | | BORIN | NG No. | B-N-7 |

| | | | | | | | PRO | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-N-8 |
|-------------|------------|----------|------------------|--|-------------------|------------|---------|-----------------|-----------|-----------------------|---------|---------|-----------------------|
| 1 | 1/00 | ton | (&) Sc | mnec | SM | | Conwa | ay Park | | SHEET | - | 1 | OF 1 |
| | vve5 | IOII | (0)00 | ii i ipac | ווע | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | Jos | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | BORI | NG LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | EPRESE | IVITATIV | E: | | Taylor Smith | | DATE | START | | 7/25/18 | DATE E | END | 7/25/18 |
| SAMPL | ER: | Geopro | be 6610DT trad | ck mounted rig | l | | | | | GROUNDWA [*] | TER OE | SERVA | TIONS |
| O A O I N I | . | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | ے: | D1 22 2 | 2.25 inch PVC li | iners w/o catch | ner | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | 04145 | E DE00 | DIRTION | | NOTEO | OTDATI NA DECODIDIONI |
| (feet) | (blows/ft) | No. | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | SAMPL | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | | 0-5 | | N/A | | 5 " | | | | | |
| | | | | | | | | Brown fine | e to me | dium SAND | | | |
| | | | | | | | | | | | | | |
| 5 - | | | | | | | | | | | | | FILL |
| 0 — | | S-2 | | 5-10 | | | Da | ark brown med | | |) fill; | | |
| | | | | | | | | some brick | k, grave | el, slag, peat | | | |
| | | | | | | | | | | | | | |
| 10 - | | | | | | | | | | | | | |
| 10 | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | Light brov | wn med | dium SAND | | | SAND |
| | | | | | | | | | | | | | |
| 15 - | | | | | | | | | | | | | |
| | | | | | | | | EOE | 3 @ 15 ft | . BGS | | | |
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| | GRANL | ILAR SC | DILS | COHE | SIVE SOILS | NOTES | | | | | | | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | nd of | boring | | | | | |
| |)-4 -10 | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| |)-30 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENFRAI | NOTES. | i) THE S | TRATIFICATION I | | IT THE APPROXIMAT | F BOLINDAF | RY RFT\ | WEEN SOIL TYPES | TRANSIT | IONS MAY BE GRA | ADUAI | | |
| | ,5,20. | , | | | MADE IN THE DRILL | | | | | | | i. | |
| | | | | | OUNDWATER MAY O | CCUR DUE | TO OTH | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |
| | | MEAS | SUREMENTS ARE | MADE. | | | | | | | | | |

B-N-8

| | | | | | | | PRC | <u>JECT</u> | REPO | RT OF BORIN | G No. | | B-N-9 |
|-----------------|----------------|---------------------------------------|----------------------------------|-----------------|--------------------|-----------|---------|------------------|-----------|---------------------------------|-----------------|---------|---------------------|
| , | 11/00 | ton | (&) Sc | mnoc | SM | | Conw | ay Park | | SHEET | 1 | | OF 1 |
| | Wes | IOI | (X) 50 | inpsc | ווכ | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | JOITICI | viiio, ivii t | | CHKD BY | | | eph Spencer |
| BORING | G Co | | | NE Geote | ch | | BOR | ING LOCATIO | N | | See | attache | d plan |
| FOREM | | | | Maynor | | | - | UND SURFAC | | V. | 000 | | DATUM |
| WSE R | EPRESE | VITATIV | Ξ: | | Taylor Smith | | DATE | START | | 7/25/18 | DATE E | :ND | 7/25/18 |
| SAMPL | .ER: | Geopro | be 6610DT trac | ck mounted rig | | | | | | GROUNDWAT | TER OB | SERVA | TIONS |
| | | | Sampler 2.25 in | | | | _ | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | 2.25 inch PVC li | ners w/o catch | ner | | _ | N/A | | | | | |
| CASINO | 2 8175. | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASING | 2.23 | | SAMPLE | Direct i dan | PID | 1 | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPI | LE DESC | CRIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA | S-1 | . () | 0-5 | | N/A | | Prown fine | to mo | edium SAND | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | Tar | n fine S. | AND | | 1 | |
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| 5 - | | S-2 | | 5-10 | | | | | مة ممانا | | Λ £ :11. | | FILL |
| | | | | | | | Di | | | coarse SAND ctured rock, sil | | | |
| | | | | | | | | JOING GONORG | no, nac | starca rook, on | | 1 | |
| | | | | | | | | | | | | 1 | |
| 10 - | | S-3 | | 10-15 | | | | | | | | . • | |
| | | | | | | | | | | | | 1 | |
| | | | | | | | | Light brow | vn med | dium SAND | | | SAND |
| | | | | | | | 1 | | | | | 1 | |
| 15 - | | | | | | | | EOE | 3 @ 15 ft | t. BGS | | . • | |
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| DI O | GRANL WS/FT | | | | SIVE SOILS | NOTES | | boring | | | | | |
| |)-4 | | DENSITY LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | | | boning | | | | | |
| 4 | -10 | l | LOOSE | 2-4 | SOFT | | | | | | | | |
| | 0-30 | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 · 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | 50 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | PLINOL | > 30 | V. STIFF HARD | | | | | | | | |
| GENERA | L NOTES: | i) THE S | TRATIFICATION L | INES REPRESEN | IT THE APPROXIMA | TE BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | TIONS MAY BE GRA | DUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | TUATIONS IN THI SUREMENTS ARE | | DUNDWATER MAY C | OCCUR DUE | TO OT | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |
| | | ıvı⊏A∂ | JOHLINI O AME | IVIAUL. | | | | | | | | | |

B-N-9

| | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORIN | G No. | | B-N-10 |
|---------|------------|---------|------------------|----------------|---------------------------------------|--------------|--------|------------------|------------|-----------------|---------|---------|---------------------|
| 1 | 1/00 | ton | (&) Sc | mnec | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | VVC | | (0)00 | ii i ipac | ווע | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | , | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co. | | | NE Geote | ch | | | ING LOCATIO | | | See | attache | ed plan |
| FOREM | | | _ | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | PRESE | NTATIV | E: | | Taylor Smith | | DATE | START | | 7/25/18 | DATE I | END | 7/25/18 |
| SAMPL | ER: | | be 6610DT trac | | | | | | | GROUNDWA | | | |
| CASING | ٦. | | Sampler 2.25 in | | | | | DATE N/A | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | J. | D1 22 2 | 2.25 inch PVC li | ners w/o caten | lei | | | IN/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/fl | | REC/PEN (in) | | BLOWS/6" | (ppm) | | OAWII | LL DLOO | TIII TION | | NOTEO | CHIATOW BEGON! HON |
| | NA | S-1 | | 0-5 | | N/A | | Brown fine | e to me | dium SAND | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 5 | | 0.0 | | 5.40 | | | D | ark gray fine to | o coarse | e SAND fill; so | ome | | FILL |
| | | S-2 | | 5-10 | | | | concrete, f | fracture | d rock, brick | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 - | | S-3 | | 10-15 | | 1 | | | | | | | |
| | | | | 10 10 | | | | Light bro | wn moo | lium SAND | | | SAND |
| | | | | | | | | Light bro | wiiiiec | IIIIII SAND | | | SAND |
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| 15 🗕 | | | | | | | | EOI | B @ 15 ft. | . BGS | | | |
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| | GRAN | JLAR SO | OILS | COHE | SIVE SOILS | NOTES | | | | | | | |
| BLO | NS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | | boring | | | | | |
| | -4 | | . LOOSE | 0-2 | V. SOFT | 1 | | - | | | | | |
| | ·10 -30 | | LOOSE . DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| | -50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| | 50 | V | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| OENEDA | NOTEC | 2 7:05 | TDATIFICATION: | > 30 | HARD | - DOL:::5:5: | N/ B== | WEEN OO! TOTAL | TD 4 10:- | IONO MAY BE SE | A DULAY | | |
| GENEKAL | NOTES: | , | | | T THE APPROXIMAT MADE IN THE DRILL | | | | | | | i. | |
| | | | | | OUNDWATER MAY O | | | | | | | | |

B-N-10

BORING No.

| | | | | | | | PRC | JECT | REPOR | RT OF BORIN | iG No. | | B-O-1 |
|----------|--------------|----------|--|----------------|-----------------------|--|---------|----------------------|------------|-----------------------|--|----------|---------------------|
| 1 | 1/0 | aton | (2)00 | mnoc | SM | 1 , | Conv | ay Park | | SHEET | | 1 | OF 1 |
| | wes | 31011 | (&)So | impsc | H 1 | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | omor | viiio, ivii t | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geoted | ch | <u>,,=</u> | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | EPRESE | NTATIVI | <u>E:</u> | | Taylor Smith | | DATE | E START | | 7/24/18 | DATE I | END | 7/24/18 |
| SAMPL | .ER: | Geopro | be 6610DT trac | k mounted rig | | | | | (| GROUNDWA [*] | TER OE | 3SERVA | TIONS |
| C A CINI | ٥. | | Sampler 2.25 inc | | | | • | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | j : | D1 22 2 | 2.25 inch PVC lir | ners w/o catch | er | | • | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CASING | à | | SAMPLE | | PID | | CAMD | LE DESC | DIDTION | <u> </u> | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/f | | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAIVIP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA I | S-1 | 50/60 | 0-5 | | N/A | Dro | wn medium S | ۸ NID: ۵۷ | omo fracturac | l rook: | | |
| | | - | | | | + | ыо | | trace co | | TOCK, | | FILL |
| | | <u> </u> | | | | | | | | | | | |
| 5 | $oxed{oxed}$ | | | | | | | Dark brov | wn med | lium SAND | | <u> </u> | |
| | | S-2 | 50/60 | 5-10 | | | | | | | ļ | | |
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| 10 | \vdash | _ | | | | | | | 0.0.10.0 | D00 | | | |
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| | GRAN | ULAR SC | OILS | COHES | SIVE SOILS | NOTES | | | | | | | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | End of | boring | | | | | |
| |)-4 -10 | | . LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| |)-30 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| 30 |)-50 | [| DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENERAI | NOTES | i) THE S | TRATIFICATION LI | > 30 | HARD T THE APPROXIMAT | E BOLINDA | BV BETI | WEEN SOIL TYPES | TRANSIT | IONS MAY BE GR | ΔΠΙΔΙ | | |
| | _ NOTES. | | | | MADE IN THE DRILL I | | | | | | | i. | |
| | | FLUC | TUATIONS IN THE | ELEVEL OF GRO | OUNDWATER MAY O | CCUR DUF | TO OTH | HER FACTORS THA | N THOSE | PRESENT AT THE | TIME | | |

B-O-1

BORING No.

| | | | | | | | PF | OJECT | REPOR | RT OF BORIN | IG No. | | B-O-3 |
|-----------------|-------------|--------------|------------|-----------------|--------------------|---------------------|----------------|-----------------------------|-----------|-----------------|----------|---------|--------------------------|
| 1 | \ \ / | 20 | ton | (&) Sc | mnec | SM | Con | way Park | | SHEET | | 1 | OF 1 |
| | VV | 53 | | (0)00 | ii i ipsc | / 1 | | erville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING FOREM | |). | | | NE Geoted | ch | | RING LOCATIO OUND SURFAC | | 1 | See | attache | ed plan DATUM |
| WSE RE | | ESEN | ITATIVE | <u>:</u> | Maynor | Taylor Smith | | TE START | | 7. 7/24/18 | DATE | | 7/24/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | ck mounted ria | | | | | GROUNDWA | TER OF | SERVA | |
| | | | DT 22 S | Sampler 2.25 in | ch | | | DATE | TIME | WATER AT | _ | NG AT | STABILIZATION TIME |
| CASING | 3 : | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | N/A | | | | | |
| CASING | SIZ | Œ: | 2.25 | | Method | Direct Push | | | | | | | |
| DEPTH | | SING | | • | SAMPLE | | PID | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | _ | ws/ft) | No. S-1 | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | 37 tivii 1 | LE DEGG | TIII TIOIV | | | OTTO VIOLATE DESCRIPTION |
| | ij | V /~\ | 0 1 | | 0.5 | | TN// | Brown fine | e to me | dium SAND | | | |
| | | | | | | | | | | | | | FILL |
| _ | | | | | | | | Dark brov | wn med | lium SAND | | | |
| 5 | | | S-2 | | 5-10 | | | | | | | | |
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| | | | | | | | | Light brov | wn med | lium SAND | | | SAND |
| 10 - | | | | | | | | FOR | 3 @ 10 ft | BGS | | . | |
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| | GP | ANILI | LAR SC | JII G | COHE | SIVE SOILS | NOTES: | | | | | | |
| BLO | WS/F | | | DENSITY | BLOWS/FT | DENSITY | EOB- End | of boring | | | | | |
| | 10 | | | LOOSE LOOSE | 0-2 | V. SOFT SOFT | | | | | | | |
| | -10)-30 | | | DENSE | 2-4 4-8 | M. STIFF | | | | | | | |
| | -50 | | | DENSE | 8-15 | STIFF | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | |
| GENERAL | _NO | TES: | | | NES REPRESEN | T THE APPROXIMAT | | ETWEEN SOIL TYPES. | | | | | |
| | | | II) WATEI | H LEVEL READING | JS HAVE BEEN N | MADE IN THE DRILL I | HULES AT TIMES | AND UNDER CONDI | IIIONS ST | ATED ON THIS BO | HING LOG | i. | |

BORING No. B-O-3

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | PR | OJECT_ | REPOI | RT OF BORIN | IG No. | | B-O-5 |
|-----------------|-------------|--------|------------|------------------|---------------------|---------------------|----------------|-----------------------------|-----------|-----------------|----------|---------|---------------------|
| 1 | 1/6 | 20. | ton | (&) So | mnec | SM | Conv | vay Park | | SHEET | | 1 | OF 1 |
| | VVC | 50 | | (0)00 | ii i ipac | 71 1 | | rville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING FOREM | | | | | NE Geoted Maynor | ch | | RING LOCATIO DUND SURFAC | | | See | attache | ed plan DATUM |
| WSE RE | | SEN | ITATIVE | <u>:</u> | | Taylor Smith | | E START | | v. 7/24/18 | DATE | | 7/24/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | k mounted ria | | | | | GROUNDWA | TER OE | BSERVA | TIONS |
| | | | DT 22 S | Sampler 2.25 in | ch | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | G: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | N/A | | | | | |
| CASING | SIZE | ≣: | 2.25 | | Method | Direct Push | | | | | | | |
| DEPTH | CASI | | | | SAMPLE | | PID | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blow | | No. S-1 | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) N/A | | | | | | |
| | | ` | 0 | | 0.5 | | 1 1//~ | Brown fine | a to mo | dium SAND | | | |
| | | | | | | | | DIOWITIII | e to me | alam SAND | | | FILL |
| _ | | | | | | | | | | | | | FILL |
| 5 - | | | S-2 | | 5-10 | | | Dark brov | wn med | dium SAND | | | |
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| | | | | | | | | Light brow | wn med | dium SAND | | | SAND |
| 10 🗕 | | | | | | | | EOE | B @ 10 ft | :. BGS | | | |
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| | ∀ | I II/I | LAR SC | OII S | COHES | SIVE SOILS | NOTES: | | | | | | |
| BLO' | WS/FT | | | DENSITY | BLOWS/FT | DENSITY | EOB- End o | of boring | | | | | |
| |)-4 -10 | | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | |
| | -10)-30 | | | DENSE | 2-4 4-8 | M. STIFF | | | | | | | |
| |)-50 | | | DENSE | 8-15 | STIFF | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | |
| GENERAI | L NOTI | | | | NES REPRESEN | T THE APPROXIMATE | | | | | | | |
| | | | ii) WATFI | R I EVEL READING | GS HAVE BEEN N | MADE IN THE DRILL I | HOLES AT TIMES | AND UNDER CONDI | ITIONS ST | ATED ON THIS BO | RING LOG | ì. | |

B-O-5

BORING No.

| | | | | | | | PRO | JECT | REPOR | RT OF BORIN | G No. | | B-O-7 |
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| 1 | 1/00 | ton | (&) So | mnoo | SM | | Onw. | ay Park | | SHEET | | 1 | OF 1 |
| | wes | SION | (0)50 | mpsc | Of 1 | | | ay raik ville, MA | | Project No. | | | 2180123 |
| | | | | | | | 011101 | VIIIO, 1417 (| | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geoted | ch | • | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | EPRESE | NTATIVI | E: | ٦ | Taylor Smith | | DATE | START | | 7/24/18 | DATE I | END | 7/24/18 |
| SAMPL | .ER: | | be 6610DT trac | | | | | | | GROUNDWA [*] | TER OF | BSERVA | TIONS |
| C A CINI | ٥. | | Sampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | J. | D1 22 2 | 2.25 inch PVC lii | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | OAMI | | | | NOTES | |
| | NA I | S-1 | | 0-5 | | N/A | | | Topso | | | | TOPSOIL |
| | | | | | | | Da | ark brown fine | | | ome | | |
| | | | | | | | | | concret | te | | | |
| 5 - | | S-2 | | 5-10 | | 1 | | Coal ash v | with bric | k and glass | | | FILL |
| | | 3-2 | | 3-10 | | | | | | | | | |
| | | | | | | | Da | ark brown/bla | .ck fine t | o medium SA | AND | | |
| | | | | | | | | Liadat la vaccura | fina ta n | a a divusa CANE | ` | | CAND |
| 10 🗕 | | | | | | 1 | | | line to n B @ 10 ft. | nedium SANE . BGS |) | | SAND |
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| | ▼ GRANI | JLAR SO | OILS | COHES | SIVE SOILS | NOTES | | | | | | | |
| BLO' | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- E | | boring | | | | | |
| |)-4 | | LOOSE | 0-2 | V. SOFT | | | | | | | | |
| | -10)-30 | | LOOSE . DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | |
| CENEDAI | NOTEC: | " TUE 0 | TDATIFICATION I | > 30 | HARD | E DOUBLD A | DV DET | NEEN COLL TYPE | TDANIOIT | IONO MAY DE OD | DUM | | |
| GENERAL | L NOTES: | | | | T THE APPROXIMAT MADE IN THE DRILL | | | | | | | . | |
| | | | | | UNDWATER MAY O | | | | | | | | |

B-O-7

BORING No.

| | | | | | | | PRC | J <u>ECT</u> | REPOR | RT OF BORIN | IG No. | | B-O-8 |
|-----------------|--------------|-----------|---------------------|---------------------|--------------------|--------------|--------|---------------------------|------------|----------------|--------|---------|---------------------|
| 1 | 1/0 | eton | (&) Sc | mnec | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | VVC | 3101 | (0)00 | ii i ipsc | / 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | l . | CHKD BY | | | eph Spencer |
| BORING FOREM | | | | NE Geoted Maynor | ch | | | ING LOCATIO UND SURFAC | | / | See | attache | ed plan DATUM |
| | | ENTATIV | /E: | | Γaylor Smith | | | E START | | 7. 7/24/18 | DATE I | | 7/24/18 |
| SAMPL | ER: | Geopr | obe 6610DT trac | k mounted rig | | | | | (| GROUNDWA | TER OE | SERVA | TIONS |
| 0.4.015.14 | _ | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | :ن | DT 22 | 2.25 inch PVC li | ners w/o catch | er | | • | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASIN | | I == 0.051 | SAMPLE | D. 011101-1 | PID | | SAMPI | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows) | ft) No. | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | | | | | |
| | | | | | | ,. | | Tan fine t | to medi | um SAND | | | |
| | | | | | | | | | | | | | |
| 5 | | | | | | | Da | ark brown fine | | | ome | | |
| 5 | | S-2 | | 5-10 | | | | brick, cond | crete, fra | actured rock | | | FILL |
| | | | | | | | | Brio | ck and v | wood | | | |
| | | | | | | | Dark | brown/gray fi | ne to m | edium SAND | ; some | | |
| 10 - | + | S-3 | | 10-15 | | | | | coal, as | sh | | | |
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| | | | | | | | | Tan n | nedium | SAND | | | SAND |
| 15 | | | | | | | | | | | | | |
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| | GRAN | IULAR S | OILS | COHES | SIVE SOILS | NOTES | S: | | | | | | |
| | WS/FT)-4 | 1 | DENSITY '. LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- E | End of | boring | | | | | |
| | -4 -10 | | LOOSE | 0-2 2-4 | SOFT | | | | | | | | |
| |)-30 | N | 1. DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 50 | \ | DENSE '. DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| GENERAL | NOTES | 3: i) THE | STRATIFICATION L | INES REPRESENT | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | IONS MAY BE GR | ADUAL. | | |

BORING No. B-O-8

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | PRO | JECT | REPOR | RT OF BORIN | G No. | | B-O-9 |
|-------------|--------------|----------|-------------------|-----------------|-------------------|--------------|----------|----------------------|-------------------|-----------------------|--------|---------|---------------------|
| 1 | 1/00 | ton | (3)00 | mnoo | SM | | Conv | ay Park | | SHEET | | 1 | OF 1 |
| | wes | | (&) So | mpsc | Of 1 | | | ay raik ville, MA | | Project No. | | | 2180123 |
| | | | | | | | omer | viiio, ivii t | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | NE Geoted | ch | • | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | PRESE | NTATIV | E: | ٦ | Taylor Smith | | DATE | START | | 7/24/18 | DATE I | END | 7/24/18 |
| SAMPL | ER: | | be 6610DT trac | | | | _ | | | GROUNDWA [*] | | | TIONS |
| CACINI | ٠. | | Sampler 2.25 inc | | | | - | DATE N/A | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | J. | D1 22 2 | 2.25 inch PVC lii | ners w/o catch | er | | - | IV/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | OAIVII I | LL DLGC | TIII TION | | NOTES | STRATOW DESCRIPTION |
| | NA I | S-1 | | 0-5 | | N/A | | | | | | | |
| | | | | | | | I Carlan | l / | | I' OAND | | | |
| | | | | | | | Light | brown/gray fi | ne to m gravel | | ; some | | FILL |
| 5 - | | S-2 | | F 10 | | | | | graver | | | | 1166 |
| | | 3-2 | | 5-10 | | | | | | | | | |
| | | | | | | | | | Coal as | :h | | | |
| | | | | | | | | Tar | n fine S | AND | | | SAND |
| 10 🗕 | + | - | | | | 1 | | | B @ 10 ft. | | | | |
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| | | JLAR SO | | | SIVE SOILS | NOTES | | | | | | | |
| | WS/FT)-4 | | DENSITY LOOSE | BLOWS/FT 0-2 | V. SOFT | EOB- I | End of | boring | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | | |
| 10 | -30 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| | 50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V | . DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL | NOTES: | i) THE S | TRATIFICATION LI | | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | . TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | | | | MADE IN THE DRILL | | | | | | | ì. | |
| | | +i UC | TUATIONS IN THE | - i EVELOEGRO | UNDWATER MAY O | CCUR DUE | : 1001 | HER FACTORS THA | IN THOSE | PRESENTAL THE | HME | | |

B-O-9

BORING No.

| | | | | | | | PRO | JECT_ | REP∩I | RT OF BORIN | IG No | | B-O-10 |
|-------------|--------------|------------|-----------------|--------------------|--------------------|---------|-------|------------------------|--------------------|------------------------|--------|---------|------------------------|
| | | | | | SM | | | | I ILI OI | | | | |
| | Wes | ton | (&) Sc | ampso | on | | | y Park | | SHEET | | | OF <u>1</u> 2180123 |
| | | | | | | So | merv | ille, MA | | Project No. CHKD BY | | | eph Spencer |
| BORING | 3 Co | | | NE Geote | ach | | ROBII | NG LOCATIOI | NI | | Soo | attache | |
| FOREM | | | | Mayno | | | | JND SURFAC | | V. | 000 | | DATUM |
| WSE RE | EPRESE | NTATIVE | = : | | Taylor Smith | | | START | | 7/24/18 | DATE I | | 7/24/18 |
| SAMPL | ER: | Geoprol | be 6610DT trad | ck mounted riç | J | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| O 4 O I N I | ٠. | | Sampler 2.25 in | | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | J. | D1 22 2 | .25 inch PVC li | iners w/o catc | ner | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CASING | | - | SAMPLE | | PID | • | SAMPI | F DESC | RIPTION | • | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | No. S-1 | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) | | o, z | | | | | 0110110111011 |
| | NA | 5-1 | | 0-5 | | N/A | | Tan fine t | o medi | ium SAND | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | (| Concre | ete | | | FILL |
| 5 - | | S-2 | | 5-10 | | | _ | | | " OANID | | | FILL |
| | | | | | | | Da | rk brown fine brick | to med k, grave | | ome | | |
| | | | | | | | | brion | i, grave |), WII O | | | |
| 10 | | | | | | | | | | | | | |
| 10 | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | Light brov | vn med | dium SAND | | | SAND |
| | | | | | | | | | | | | | |
| 15 - | | | | | | | | F0F | 0 0 45 0 | D00 | | | |
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| | | JLAR SC | DILS | COHE | SIVE SOILS | NOTES: | | | | | | | |
| | WS/FT I-4 | | LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- En | nd of | boring | | | | | |
| | ·10 | | LOOSE LOOSE | 2-4 | SOFT | | | | | | | | |
| 10 | -30 | M. | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | | v. | DLINOL | > 30 | HARD | | | | | | | | |
| CENIEDAI | | | | | | | _ | | | | | | |

GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL

BORING No. B-O-10

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG.
FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME
MEASUREMENTS ARE MADE.

| | | | | | | PI | ROJECT | REPOR | RT OF BORIN | IG No. | | B-O-11 |
|-----------------|-------------|-----------|-------------------|---------------------|-------------------|---------------|-------------------------------|-----------|-----------------|-----------|---------|---------------------|
| 1 | 1/0 | etor | (&) Sc | mnsc | SM | Cor | nway Park | | SHEET | | 1 | OF1 |
| | VVC | SIOI | 0 | al ripoc | / 1 | | nerville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING FOREM | | | | NE Geoted Maynor | ch | | DRING LOCATIO ROUND SURFAC | | / | See | attache | ed plan DATUM |
| | | ENTATI | /E: | | Taylor Smith | | ATE START | | 7/24/18 | DATE | | 7/24/18 |
| SAMPL | ER: | Geopi | obe 6610DT trad | ck mounted ria | | | | | GROUNDWA | TER OE | BSERVA | TIONS |
| | | DT 22 | Sampler 2.25 in | ch | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3 : | DT 22 | 2.25 inch PVC li | iners w/o catch | er | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | |
| DEPTH | CASIN | | | SAMPLE | | PID | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ | ft) No. | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | | | | |
| | | 3-1 | | 0-3 | | IN/A | Brown fine | e to med | dium SAND | | | |
| | | | | | | | | | | | | FILL |
| | | | | | | | Dark brown fine | | | ome | | |
| 5 - | | S-2 | | 5-10 | | | bı | rick, gra | avel | | | |
| | | | | | | | | | | | | |
| | | | | | | | Light b | rown fir | ne SAND | | | SAND |
| 10 - | | | | | | | | | | | | |
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| | CDAN | IULAR S | | COHE | SIVE SOILS | NOTES: | | | | | | |
| BLO | WS/FT | NOLAN S | DENSITY | BLOWS/FT | DENSITY | EOB- End | of boring | | | | | |
| |)-4 10 | \ | /. LOOSE | 0-2 | V. SOFT | | - | | | | | |
| | -10)-30 | N | LOOSE 1. DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | |
| |)-50 | ' | DENSE | 8-15 | STIFF | | | | | | | |
| > | 50 | \ | /. DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | |
| GENERAL | NOTES | S: i) THE | STRATIFICATION L | | | E BOUNDARY E | BETWEEN SOIL TYPES. | . TRANSIT | TONS MAY BE GR | ADUAL. | | |
| | | ii) WAT | ER LEVEL READING | GS HAVE BEEN N | MADE IN THE DRILL | HOLES AT TIME | S AND UNDER CONDI | ITIONS ST | ATED ON THIS BO | RING I OG | à. | |

B-O-11

BORING No.

| | | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORIN | IG No. | | B-P-8 |
|-----------------|-------------|----------|-----------|------------------|---------------------|---------------------|----------|--------|---------------------------|-----------|----------------|---------|---------|---------------------|
| 1 | 1/6 | 20 | ton | (&) So | mnec | SM | | Conw | ay Park | | SHEET | | 1 | OF 1 |
| | VVC | 50 | | (0)00 | ii i ipac | / | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING FOREM | | | | | NE Geoted Maynor | ch | | | ING LOCATIO UND SURFAC | | 1 | See | attache | ed plan DATUM |
| WSE RE | | SEN | ITATIVE | <u>:</u> | | Taylor Smith | | | E START | | 7. 7/24/18 | DATE E | | 7/24/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | k mounted ria | | | | | | GROUNDWA | TER OF | SERVA | TIONS |
| | | | DT 22 S | Sampler 2.25 in | ch | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZI | E: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CAS | ING | | | SAMPLE | | PID | | SAMD | LE DESC | DIDTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blow | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAIVIF | LL DL3C | NIFTION | | NOILS | STRATOW DESCRIPTION |
| | N. | А | S-1 | | 0-5 | | N/A | _ | | | | | | |
| | | | | | | | | В | rown fine to m | edium (| SAND; some | coal | | |
| | | | | | | | | | | | | | | FILL |
| 5 - | | | S-2 | | 5-10 | | | Dark | brown fine to | mediur | m SAND; son | ne coal | | |
| | | | | | | | | | ash, woo | od, frac | tured rock | | | |
| | | | | | | | | | | | | | | |
| 10 - | | | | | | | | | | | | | | |
| 10 | | | S-3 | | 10-15 | | | | Tanın | nedium | SVND | | | SAND |
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| 15 - | | | | | | | | | FOF | B @ 15 ft | . BGS | | | |
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| | CP / | A N II I | LAR SC | All C | COLLEG | SIVE SOILS | NOTES | | | | | | | |
| BLO | WS/FT | | | DENSITY | BLOWS/FT | DENSITY | EOB- E | | boring | | | | | |
| |)-4 | | | LOOSE | 0-2 | V. SOFT | | | Ü | | | | | |
| | -10)-30 | | | LOOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| 30 | -50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL | NOT | ES: | i) THE ST | TRATIFICATION LI | | T THE APPROXIMATI | E BOUNDA | RY BET | WEEN SOIL TYPES. | . TRANSIT | IONS MAY BE GR | ADUAL. | | |
| | | | | | | MADE IN THE DRILL I | | | | | | | i. | |

B-P-8

BORING No.

| | | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORIN | IG No. | | B-P-9 |
|-----------------|--------------|--------|------------|-----------------|--------------------|--|--------------|--------|---------------------------|-------------|-------------------------|---------|---------|---------------------|
| 1 | 1/4 | 20 | ton | (&) So | mnec | SM | | Conw | ay Park | | SHEET | - | 1 | OF 1 |
| | VVC | 50 | 1011 | (0)00 | ii i ipsc | / 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING FOREM | | | | | NE Geoted | ch | | | ING LOCATIO UND SURFAC | | 1 | See | attache | ed plan DATUM |
| WSE RE | | ESEN | ITATIV | <u>=</u> : | Maynor_ | Γaylor Smith | | | E START | | 7. 7/24/18 | DATE E | | 7/24/18 |
| SAMPL | | | | be 6610DT trac | | | | | | | GROUNDWA | TER OF | RSFRVA | |
| | | | DT 22 S | Sampler 2.25 in | ch | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZ | E: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CAS | SING | | | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | _ | ws/ft) | No. S-1 | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | O/AWII | Topso | | | NOTES | TOPSOIL |
| | | IA. | 3-1 | | 0-5 | | IN/A | | Liaht brown | | oarse SANE |) | 1 1 | TOFSOIL |
| | | | | | | | | | Brown fine | e to me | dium SAND | | | |
| | | | | | | | | | | Concre | te | | | |
| 5 - | | | S-2 | | 5-10 | | | | | | 04415 | | | FILL |
| | | | | | | | | Dark | brown fine to | | n SAND; son concrete | ne coal | | |
| | | | | | | | | | aori, ola | g, brion, | CONOCCO | | | |
| 10 | | | | | | | | | | | | | 1 | |
| 10 | | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | | Tan r | nedium | SAND | | | SAND |
| | | | | | | | | | | | | | | |
| 15 - | | | | | | | | | EOI | B @ 15 ft. | DCC | | 1 | |
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| DI O | GR. WS/F | | LAR SC | DENSITY | COHES BLOWS/FT | SIVE SOILS DENSITY | NOTES | | f boring | | | | | |
| |)-4 | 1 | | LOOSE | 0-2 | V. SOFT | LOB- L | _IIU U | Donnig | | | | | |
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| |)-30)-50 | | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| OEN :== :: | | | | | > 30 | HARD | | | | | | | | |
| GENEKAL | רטא _ | IES: | | | | T THE APPROXIMATI MADE IN THE DRILL I | | | | | | | i. | |

B-P-9

BORING No.

| | | | | | | PRO | DJECT | REP∩ | RT OF BORIN | IG No | | B-P-10 |
|------------|--------------|---------|-----------------|-----------------|------------------|------------|------------------|----------|------------------------|--------|---------|------------------------|
| | | | | | SM | | | I ILI O | | | | - |
| | Wes | ston | (&) Sc | ampso | on | | ay Park | | SHEET | | | OF <u>1</u> 2180123 |
| | | | | | | Some | rville, MA | | Project No. CHKD BY | | | eph Spencer |
| BORING | 3 Co | | | NE Geote | ch | ROE | ING LOCATIO | NI | | Soc | attache | |
| FOREM | | | | Maynor | | | OUND SURFAC | | V. | 000 | | DATUM |
| WSE RE | EPRESE | NTATIVE | Ξ: | | Taylor Smith | | E START | | 7/23/18 | DATE I | | 7/23/18 |
| SAMPL | ER: | Geoprol | oe 6610DT trad | ck mounted rig | I | | | | GROUNDWA | TER OE | SERVA | TIONS |
| 0.4.011.14 | _ | | sampler 2.25 in | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | <i>i</i> : | DT 22 2 | .25 inch PVC li | iners w/o catcl | ner | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | SAMP | I E DESC | CRIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) | | REC/PEN (in) | | BLOWS/6" | (ppm) | O/AWII | LL DLOC | 7111 11011 | | NOTES | OTHATOW BEGOTH HON |
| | NA | S-1 | | 0-5 | | N/A | | Topso | oil | | | TOPSOIL |
| | | | | | | G | ray fine to med | dium S/ | VND: some a | raval | | |
| | | | | | | | ray iirie to mec | glass | _ | avei, | | |
| 5 - | | S-2 | | 5-10 | | | | | | | | FILL |
| | | | | | | | Brown fine | e to me | dium SAND | | | |
| | | | | | | | | Peat | | | | |
| 40 | | | | | | | | real | | | | |
| 10 - | | S-3 | | 10-15 | | | | | | | | |
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| | GRANI | JLAR SC | OILS | COHE | SIVE SOILS | NOTES: | | | | | | |
| | WS/FT | | ENSITY | BLOWS/FT | DENSITY | EOB- End o | f boring | | | | | |
| | -4 -10 | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | |
| 10 | -30 | M. | DENSE | 4-8 | M. STIFF | | | | | | | |
| | -50 | | DENSE | 8-15 | STIFF | | | | | | | |
| > | 50 | ٧. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | |
| CENIEDAI | | | | | | 1 | | | | | | |

GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.

BORING No. B-P-10

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG.
FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME
MEASUREMENTS ARE MADE.

| | | | | | | | | PRC | <u>JECT</u> | REPOR | RT OF BORIN | G No. | | B-Q-8 |
|--------------|-----------|------|------------|---------------------------------|----------------|-------------------|----------|----------|-----------------------|------------|--------------------|---------|---------|---------------------|
| 1 | λ/0 | 00 | ton(| 22/12 | mpsc | SM | | Conw | ay Park | | SHEET | - | 1 | OF 1 |
| | VVC | 0 | 1011(| <u>w</u> | ii i ipac | 71 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | | | | | NE Geote | | | _ | ING LOCATIO | | | See | attache | |
| FOREM WSE RE | | SEN | ITATIVE | | Maynor | Taylor Smith | | | UND SURFAC E START | | /. 7/23/18 | DATE E | | DATUM 7/23/18 |
| | | JLI. | | | | | | _ D/ (1) | 1 017 1111 | | | | | |
| SAMPL | EK: | | | e 6610D1 trac ampler 2.25 in | ck mounted rig | | | - | DATE | TIME | GROUNDWA' WATER AT | _ | NG AT | STABILIZATION TIME |
| CASING | 3: | | | | ners w/o catch | er | | - | N/A | | | | | |
| CASING | 9175 | | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASII | | 2.25 | | SAMPLE | Direct Fusii | PID | 1 | | | | | | |
| (feet) | (blows | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA I | 1 | S-1 | 40/60 | 0-5 | | N/A | | | Topso | il | | | TOPSOIL |
| | | | | | | | | | | | | | | |
| | | | | | | | | Dark | brown fine to | coarse | SAND; some | gravel | | |
| 5 - | | | S-2 | 45/60 | 5-10 | | | | | | | | | FILL |
| | | | 3-2 | 45/60 | 5-10 | | | | | Brick | | | | |
| | | | | | | | | Light | brown fine S | | me brick trad | coal | | |
| | | | | | | | | Ligiti | | n fine SA | | 50 00di | | SAND |
| 10 - | | | | | | | | | | B @ 10 ft. | | | | SAND |
| | | | | | | | | 1 | | | | | | |
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| 4.5 | | | | | | | | | | | | | | |
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| | GRA | NU | LAR SO | ILS | COHF: | SIVE SOILS | NOTES | S: | | | | | | |
| | WS/FT | | DI | ENSITY | BLOWS/FT | DENSITY | | | boring | | | | | |
| | -4 -10 | | | LOOSE OOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| | -30 | | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | | ENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. I | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |
| GENERAL | NOTE | S: | i) THE STE | RATIFICATION L | | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES | . TRANSIT | IONS MAY BE GRA | ADUAL. | | |
| | | | | | | MADE IN THE DRILL | | | | | | | | |
| | | | | 'UATIONS IN THI JREMENTS ARE | | OUNDWATER MAY O | CCUR DUE | : 10 OTh | HER FACTORS THA | AN IHOSE | PRESENT AT THE | IIME | | |

B-Q-8

| | | | | | | | PRO | JECT | DEDO | RT OF BORIN | IC No | | POO |
|--------|------------------|------------|------------------|--------------------|-------------------|--------------|--------|-----------------|-----------|------------------------|---------|---------|------------------------|
| | | | | | SM | | | | HEPU | | IG NO. | • | B-Q-9 |
| | Wes | ton | (&) Sc | mpsc | on | | | ay Park | | SHEET | | | OF1 |
| | | | | | | S | omer | ville, MA | | Project No. CHKD BY | | | 2180123 eph Spencer |
| BORING | 3 Co | | | NE Geote | ach. | | R∩RI | NG LOCATIOI | NI | | Soo | attache | |
| FOREM | | | | Maynor | | | | UND SURFAC | | V. | 000 | | DATUM |
| WSE RE | PRESE | NTATIV | Ε: | - | Taylor Smith | | DATE | START | | 7/23/18 | DATE I | END | 7/23/18 |
| SAMPLI | ER: | Geopro | be 6610DT tra | ck mounted riç |) | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| CASING | ٠. | | Sampler 2.25 in | | h | | | DATE N/A | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | J. | D1 22 2 | 2.25 inch PVC I | iners w/o catci | ner | | • | IN/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • 1 | | | | | | |
| DEPTH | CASING | | 1 | SAMPLE | 1 | PID | | SAMPL | E DESC | CRIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blows/ft) NA | No. S-1 | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | Topso | | | | TOPSOIL |
| | | 0 1 | | 0.5 | | 11// | | | торас | /II | | | TOFOOIL |
| | | | | | | | | | | | | | |
| | | | | | | | Dark | brown fine to | | | ne coal | | |
| 5 - | | S-2 | | 5-10 | | | | ash, slaç | g, brick | , concrete | | | FILL |
| | | | | | | | | | | | | | |
| | | | | | | | | Light brown fir | ne SAN | JD some grav | /el | | |
| 10 | | | | | | | | <u> </u> | | , b, come gran | | | |
| 10 | | S-3 | | 10-15 | | | | | | | | | |
| | | | | | | | | Tar | n fine S | SAND | | | SAND |
| | | | | | | | | | | | | | |
| 15 - | | | | | | | | FOF | 3 @ 15 ff | t BGS | | | |
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| Di Ci | | JLAR SC | | | SIVE SOILS | NOTES | | horina | | | | | |
| | VS/FT -4 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | EOB- E | ind of | polling | | | | | |
| | 10 | | LOOSE | 2-4 | SOFT | | | | | | | | |
| | -30 -50 | | . DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | -50 50 | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | |
| | | | | | | <u> </u> | | WEEN SOIL TYPES | | | | | |

B-Q-9 BORING No.

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | | PRC | JECT_ | REPOR | RT OF BORIN | IG No. | | B-Q-10 |
|-----------------|--------------|---|------------|------------------|---------------------|-------------------|--------------|---------|--------------------------|------------|----------------|----------|---------|---------------------|
| 1 | λ/ | 20 | ton | (&) So | mnsc | SM | | Conw | ay Park | | SHEET | | 1 | OF1 |
| | VV | CO | | (4)00 | iripoc | 4 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING FOREM | |). | | | NE Geoted Maynor | ch | | | NG LOCATIO UND SURFAC | | 1 | See | attache | ed plan DATUM |
| WSE RE | | ESEN | TATIVE | : | iviayiioi | Taylor Smith | | | E START | | 7. 7/24/18 | DATE I | | 7/24/18 |
| SAMPL | ER: | | Geoprol | oe 6610DT trac | | | | | | | GROUNDWA | TER OF | SERVA | TIONS |
| | | | DT 22 S | sampler 2.25 inc | ch | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | G: | | DT 22 2 | .25 inch PVC lii | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZ | ΖE: | 2.25 | | Method | Direct Push | | • | | | | | | |
| DEPTH | CAS | SING | | | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | | ws/ft) | No. S-1 | REC/PEN (in) | | BLOWS/6" | (ppm) N/A | | O/AIVII I | | | | NOTEO | TOPSOIL |
| | | NA | 5-1 | | 0-5 | | IN/A | | | Topso | II. | | | TOPSOIL |
| | | | | | | | | Dark | brown fine to | coarse | SAND: some | aravel | | FILL |
| | | | | | | | | Dank | DIOWIT IIIIC to | coarsc | OAND, SOME | , graver | | 1122 |
| 5 - | | | S-2 | | 5-10 | | | | | | | | | |
| | | | | | | | | | _ | | = | | | 25 |
| | | | | | | | | | lar | n fine SA | AND | | | SAND |
| 10 🗕 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | EO | 3 @ 10 ft. | . BGS | | | |
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| | | | LAR SC | | | SIVE SOILS | NOTES | | i la avia a | | | | | |
| | WS/F)-4 | .1 | | LOOSE | BLOWS/FT 0-2 | V. SOFT | EOB- E | _r10 01 | noung | | | | | |
| 4- | -10 | | L | OOSE | 2-4 | SOFT | | | | | | | | |
| |)-30)-50 | | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | | > 30 | HARD | | | | | | | | |
| GENERAI | L NO | TES: | i) THE ST | TRATIFICATION LI | NES REPRESEN | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | TRANSIT | IONS MAY BE GR | ADUAL. | | |

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG.
FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME
MEASUREMENTS ARE MADE.

| | | | | | | | | PRC | JECT_ | REPOR | RT OF BORIN | G No. | | B-Q-11 |
|-------------|------------|--------|-----------|-------------------|----------------|------------------------|--|---------|-----------------|------------|-----------------------|--------|---------|---------------------|
| 1 | 1/ | | ton | (&) So | mnoc | SM | <u>ا</u> | Onw | ay Park | | SHEET | | 1 | OF 1 |
| | VVE | 25 | IOI | (d) 50 | impsc | ит | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | G Co |). | | | NE Geoted | ch | | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | | Maynor | | | | UND SURFAC | | | | | DATUM |
| WSE RE | EPRE | ESEN | ITATIVE | : | | Taylor Smith | | DATE | START | | 7/23/18 | DATE | END | 7/23/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | k mounted rig | | | | | (| GROUNDWA ⁻ | TER OF | SERVA | |
| O 4 O I N I | ٠. | | | Sampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | J. | | D1 22 2 | .25 inch PVC lii | ners w/o catch | er | | i i | N/A | | | | | |
| CASING | SIZ | Œ: | 2.25 | | Method | Direct Push | | | | | | | | |
| DEPTH | CAS | SING | | | SAMPLE | | PID | | CAMD | LE DESC | DIDTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | | ws/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAIVIF | LE DESC | | | NOTES | |
| | N | ΙA | S-1 | | 0-5 | | N/A | | | Topso | | | | TOPSOIL |
| | | | | | | | | | | | | | | |
| | | | | | | | | Dorle | brown fine to | 000100 | CAND: some | aroval | | FILL |
| 5 | | | | | | | | Dark | brown fine to | coarse | SAND, Some | graver | | FILL |
| ŭ | | | S-2 | | 5-10 | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | Tar | n fine SA | AND | | | SAND |
| 10 🗕 | | | | | | | | | F01 | B @ 10 ft. | DOO | | | |
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| | GR | ANU | LAR SC | ILS | COHES | SIVE SOILS | NOTES | | | | | | | |
| BLO | _ | Т | | DENSITY | BLOWS/FT | DENSITY | EOB- E | End of | boring | | | | | |
| |)-4 -10 | | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| | -30 | | | DENSE | 4-8 | M. STIFF | | | | | | | | |
| | -50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENERAI | NO | TES: | i) THE ST | TRATIFICATION I I | > 30 | HARD T THE APPROXIMATE | E BOLINDA | RV RETI | WEEN SOIL TYPES | TRANSIT | IONS MAY BE GRA | ארוועו | | |
| GEIVEI // L | -110 | 120. | | | | MADE IN THE DRILL H | | | | | | | i. | |

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | PRO | DJECT_ | REPO | RT OF BORIN | IG No. | | B-R-3 |
|-----------------|--------------|-----|------------|-------------------|----------------------|------------------------|----------------------|-----------------------------|-----------|-----------------|---------|----------|---------------------|
| 1 | 1/6 | 20 | ton | (&) Sc | mnsc | SM | Conv | vay Park | | SHEET | | 1 | OF1 |
| | VVC | ٥ | | (4)00 | iripoc | 4 1 | | rville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING FOREM | | | | | NE Geoted Maynor | ch | | RING LOCATIO DUND SURFAC | | / | See | attache | ed plan DATUM |
| WSE RE | | SEN | ITATIVE | <u>=</u> : | | Taylor Smith | | E START | | v. 7/23/18 | DATE I | | 7/23/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | k mounted rig | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| | | | DT 22 S | Sampler 2.25 inc | ch | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | G: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | N/A | | | | | |
| CASING | SIZE | E: | 2.25 | | Method | Direct Push | | | | | | | |
| DEPTH | CAS | | | • | SAMPLE | | PID | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blow | | No. S-1 | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | odchips | | | |
| | | ^ | 0-1 | | 0-3 | | IN// | 0 IIICI | ies woc | ducilips | | | FILL |
| | | | | | | | | Brown fine | e to me | dium SAND | | | FILL |
| | | | | | | | | | | | | | |
| 5 - | | | S-2 | | 5-10 | | | | | | | | |
| | | | | | | | | Light b | rown fir | ne SAND | | | SAND |
| | | | | | | | | | | | | | |
| 10 | | | | | | | | EOI | 3 @ 10 ft | - DCS | | | |
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| RI O | GR/ WS/FT | | LAR SC | DENSITY | COHES BLOWS/FT | SIVE SOILS DENSITY | NOTES: EOB- End o | of haring | | | | | |
| 0 |)-4 | | ٧. | LOOSE | 0-2 | V. SOFT | | a soming | | | | | |
| | -10)-30 | | | LOOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | · |
| |)-30)-50 | | | DENSE | 4-8 8-15 | STIFF | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | |
| GENFRAI | L NOT | ES: | i) THE ST | TRATIFICATION I I | > 30 NES REPRESEN | HARD T THE APPROXIMATE | E BOUNDARY RET | TWEEN SOIL TYPES | TRANSIT | TIONS MAY BE GR | ADUAI . | | |
| | 1 | | | | | | | AND UNDER CONDI | | | | . | |

FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME

B-R-3

BORING No.

| | | | | | | | PROJECT | DEDO | RT OF BORIN | IC No | | B-R-4 |
|-----------------|--------------|----------|------------------|---------------------|--------------------|--------------|---------------------------------|--------------|------------------------|-----------|-------------------|------------------------|
| | | | | | SM | | | NEFUI | | | - | |
| | Wes | ston | (&) Sc | mpso | n | | onway Park | | SHEET | | | OF 1 |
| | | | | | | Soi | merville, MA | | Project No. CHKD BY | | | 2180123 eph Spencer |
| | 2.0- | | | NE O | . I- | | | N. I | OTTIO BT | 0 | | |
| BORING FOREM | | | | NE Geotec Maynor | <u>n</u> | | BORING LOCATIC BROUND SURFAC | | / | See | attache | od pian DATUM |
| | EPRESE | NTATIV | E: | | Taylor Smith | | DATE START | | 7/23/18 | DATE E | | 7/23/18 |
| SAMPL | FR: | Geopro | be 6610DT trac | k mounted ria | | | | | GROUNDWA | TER OF | SFRVA | TIONS |
| o, | | | Sampler 2.25 in | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASIN | G: | DT 22 2 | 2.25 inch PVC li | ners w/o catche | er | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | \longrightarrow | |
| DEPTH | CASING | | | SAMPLE | Direct 1 doi: | PID | | <u> </u> | | | $\overline{}$ | |
| (feet) | (blows/ft) | | REC/PEN (in) | | BLOWS/6" | (ppm) | SAMF | PLE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | NA I | S-1 | | 0-5 | | N/A | \ | Voodch | ips | | | |
| | | | | | | - | | | | | | |
| | | | | | | | Brown fin | e to me | dium SAND | | | FILL |
| 5 - | | 0.0 | | 5.40 | | | | | | | | |
| | | S-2 | | 5-10 | | ╁ | | | | | 1 | |
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| | | JLAR SC | | | SIVE SOILS | NOTES: | | | | | | |
| | WS/FT)-4 | | LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- En | d of boring | | | | | |
| | -10 | | LOOSE | 2-4 | SOFT | | | | | | | |
| |)-30 | | . DENSE | 4-8 | M. STIFF | | | | | | | |
| |)-50 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | |
| | | | | > 30 | HARD | <u>L</u> | | | | | | |
| GENERA | L NOTES: | | | | | | BETWEEN SOIL TYPES | | | | | |
| | | ii) WATE | RIEVEL READING | 35 HAVE BEEN M | AADE IN THE DRILL | HOLES AT TIM | MES AND UNDER COND | TZ ZIACHH | ATED ON THIS BC | IRING LOG | | |

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | | PROJ | ECT | REPOF | RT OF BORIN | IG No. | | B-R-5 |
|--------------|--------------|----------------|------------|------------------|-----------------------|------------------------|-------------------|---------|---------------------|------------|----------------|--------|---------|---------------------|
| 1 | \ \ /a | | ton | (&) So | mnec | SM | C | onwa | y Park | | SHEET | - | I | OF 1 |
| | VVC | - 3 | | (d) 60 | ii iipsc | / 1 | | | lle, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| BORING | |). | | | NE Geotec | ch | | | IG LOCATIO | | , | See | attache | |
| FOREM WSE RE | | ESEN | ITATIVE | <u> </u> | Maynor 1 | Γaylor Smith | | | IND SURFAC START | | 7. 7/23/18 | DATE E | | DATUM 7/23/18 |
| SAMPL | | | | oe 6610DT trac | | , | | | | | GROUNDWA | TER OR | SFRVA | |
| | | | | ampler 2.25 inc | | | | | DATE | TIME | WATER AT | CASIN | | STABILIZATION TIME |
| CASING | G: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | _ | N/A | | | | | |
| CASING | SIZ | Έ: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CAS | SING | | | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | | ws/ft) | No. S-1 | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | | | | NOTES | STIATOW DESCRIPTION |
| | | NA | 3-1 | | 0-5 | | IN/A | | V | Voodchi | ps | | | |
| | | | | | | | | | Brown fine | e to med | dium SAND | | | FILL |
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| 5 - | | | S-2 | | 5-10 | | | | | | | | Ì | |
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| DI CI | GR WS/F | | LAR SC | DENSITY | COHES BLOWS/FT | DENSITY | NOTES: EOB- Er | | noring | | | | | |
| C |)-4 | 1 | V. | LOOSE | 0-2 | V. SOFT | LOB- EI | 10 01 1 | Johny | | | | | |
| | -10 | | | OOSE | 2-4 | SOFT | | | | | | | | ĺ |
| |)-30)-50 | | | DENSE DENSE | 4-8 8-15 | M. STIFF STIFF | | | | | | | | |
| | 50 | | | DENSE | 15-30 | V. STIFF | | | | | | | | |
| GENERAI | I NO | TFS: | i) THE ST | RATIFICATION I I | > 30 NES REPRESENT | HARD T THE APPROXIMATE | BOUNDAR | Y BFTW | FEN SOIL TYPES | TRANSIT | IONS MAY BE GR | ADUAI | | |

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG.
FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME
MEASUREMENTS ARE MADE.

| | | | | | | | | PRO | <u>JECT</u> | REPOF | RT OF BORIN | IG No. | | B-R-6 |
|-----------------|--------------|-----|-----------|---|-----------------------|--------------------|--------------|--------|--------------------------|------------|------------------|--------|---------|---------------------|
| 1 | 1/6 | 20 | ton | (&) So | mnec | SM | | Conwa | ay Park | | SHEET | | 1 | OF 1 |
| | VVC | 50 | | (0)00 | iripac | 1 1 | | | ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING FOREM | | | - | | NE Geoted Maynor | ch | | | NG LOCATIO UND SURFAC | | <i>I</i> | See | attache | ed plan DATUM |
| WSE RE | | SEN | TATIVE | = : | | Taylor Smith | | | START | | 7/23/18 | DATE I | | 7/23/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | k mounted rig | | | | | (| GROUNDWA | TER OE | SERVA | TIONS |
| CASING | ∽ . | | | Sampler 2.25 incl. 2.25 inch PVC lii | | | | | DATE N/A | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME |
| CASING | J. | | D1 22 2 | 25 IIICH PVC III | ners w/o catch | ei | | | IN/A | | | | | |
| CASING | | | 2.25 | | | Direct Push | | | | | | | | |
| DEPTH (feet) | CAS (blow | | No. | REC/PEN (in) | SAMPLE DEPTH (ft.) | BLOWS/6" | PID (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| () | N. | | S-1 | | 0-5 | | N/A | | V | Voodchi | ips | | | |
| | | | | | | | | | Brown fine | e to med | dium SAND | | | FILL |
| | | | | | | | | | Brown | o to mot | alai 11 0/ 11 12 | | | |
| 5 - | | | S-2 | | 5-10 | | | | | | | | | |
| | | | 02 | | 0 10 | | | | Liaht h | rown fin | ne SAND | | | SAND |
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| | GR/ | ANU | LAR SC | OILS | COHES | SIVE SOILS | NOTES | : | | | | | | |
| | WS/FT)-4 | | | DENSITY LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- E | nd of | boring | | | | | |
| | -10 | | | LOOSE LOOSE | 0-2 2-4 | SOFT | | | | | | | | |
| |)-30 | | | DENSE | 4-8 9.15 | M. STIFF | | | | | | | | |
| |)-50 50 | | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| 05155 | No- | | | | > 30 | HARD | | | | | | | | |
| GENERAL | L NOT | ES: | i) THE ST | I HATIFICATION LI | NES REPRESENT | T THE APPROXIMAT | E BOUNDAF | Y BETI | WEEN SOIL TYPES. | . TRANSIT | IONS MAY BE GR | ADUAL. | | |

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG. FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS ARE MADE.

| | | | | | | | | PRC | JECT | REPO | RT OF BORIN | G No. | | B-R-7 |
|---------|--------------|-----|----------|------------------|----------------|---|------------|----------|----------------------|-----------|-------------|--------|---------|---------------------|
| 1 | 16 | | ton | (6)00 | mn000 | SM | 1 , | Con | ov Dork | | SHEET | | 1 | OF 1 |
| | WE | S | IOI | (&) So | mpsc | or i | | | ay Park ville, MA | | Project No. | | | 2180123 |
| | | | | | | | | orrier | ville, iviA | | CHKD BY | | | eph Spencer |
| BORING | G Co. | | | | NE Geote | ch | | BORI | ING LOCATIO | N | | See | attache | ed plan |
| FOREM | | | | | Maynor | | | | UND SURFAC | | <i>l</i> . | | | DATUM |
| WSE RE | EPRE | SEN | IVITATIV | Ξ: | | Taylor Smith | | DATE | START | | 7/23/18 | DATE E | END | 7/23/18 |
| SAMPL | ER: | | Geopro | be 6610DT trac | k mounted rig | | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| | | | | Sampler 2.25 inc | | | | • | DATE | TIME | WATER AT | CASI | NG AT | STABILIZATION TIME |
| CASING | 3 : | | DT 22 2 | 2.25 inch PVC li | ners w/o catch | er | | • | N/A | | | | | |
| CASING | SIZE | | 2.25 | | Method | Direct Push | | <u>.</u> | | | | | | |
| DEPTH | CASII | | 2.20 | | SAMPLE | Direct i dan | PID | | | | | | | |
| (feet) | (blows | | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| , | ŅA | _ | S-1 | , () | 0-5 | · | N/A | | | | | | | |
| | | | | | | | | D | ark brown fine | | | me | | |
| | | | | | | | | | g | ravel, b | rick | | | FILL |
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| | GRA | NU | LAR SC | DILS | COHES | SIVE SOILS | NOTES | S: | | | | | | |
| | WS/FT | | | DENSITY | BLOWS/FT | DENSITY | EOB- E | End of | boring | | | | | |
| | 10 | | | LOOSE | 0-2 | V. SOFT | | | | | | | | |
| | -10)-30 | | | LOOSE . DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | |
| |)-50 | | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | | |
| | | | | | > 30 | HARD | | | | | | | | |
| GENERAL | _ NOTE | S: | | | | T THE APPROXIMAT MADE IN THE DRILL I | | | | | | | | |
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B-R-7

BORING No.

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| | | | | | | <u> </u> | rnoc | <u>JEG I</u> | KEPU | RT OF BORIN | lG No. | | B-R-11 |
| 1 | Wes | ton | (&)So | mpsc |)n | | | ıy Park | | SHEET | | | OF1 |
| | | | | | | Sor | merv | ille, MA | | Project No. CHKD BY | | | 2180123 eph Spencer |
| DOD!!! | | | | NE 0 : | | | | 10 1 00 4 7 10 | | CHILD DI | | | |
| BORING FOREM | | | | NE Geoted Maynor | | | | NG LOCATIOI JND SURFAC | | / | See | attache | ed plan DATUM |
| | EPRESEI | NTATIVI | Ē: | | Taylor Smith | | | START | | v. 7/23/18 | DATE I | | 7/23/18 |
| SAMPL | FR· | Geonro | be 6610DT trac | ck mounted rig | | | | | | GROUNDWA | TER OF | RSFRVA | TIONS |
| O/ ((VI) L | | _ | Sampler 2.25 inc | | | | ŀ | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3: | DT 22 2 | 2.25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | - | | | | | | |
| DEPTH | CASING | | | SAMPLE | Direct 1 doi: | PID | | | | | | 1 | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMPL | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| | ŅΑ | S-1 | | 0-5 | | N/A | | Brown fin | e to co | arse SAND | | | |
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| | | S-2 | | 5-10 | | | | Brown tine | to me | dium SAND | | | |
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| | GRANL | JLAR SC |)ILS | COHE | SIVE SOILS | NOTES: | | | | | | | |
| | WS/FT | | DENSITY | BLOWS/FT | DENSITY | EOB- En | id of | boring | | | | | |
| |)-4 -10 | | LOOSE LOOSE | 0-2 2-4 | V. SOFT SOFT | | | | | | | | |
| |)-30 | | . DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | |
| > | 50 | V. | DENSE | 15-30 > 30 | V. STIFF HARD | | | | | | | | |

GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL.

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG.
FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME
MEASUREMENTS ARE MADE.

| | | | | | | | PRO | DJECT_ | REPO | RT OF BORIN | IG No. | | B-S-3 |
|-----------------|--------------|-----|------------|------------------|----------------------|------------------------|----------------------|-----------------------------|-----------|-----------------|---------|----------|---------------------|
| 1 | 1/6 | 20. | ton | (&) Sc | mnsc | SM | Conw | vay Park | | SHEET | | 1 | OF1 |
| | VVC | ٥ | | (d) | iripoc | 4 1 | | rville, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING FOREM | | | | | NE Geoted Maynor | ch | | RING LOCATIO DUND SURFAC | | / | See | attache | ed plan DATUM |
| WSE RE | | SEN | ITATIVE | = : | | Taylor Smith | | E START | | v. 7/23/18 | DATE I | | 7/23/18 |
| SAMPL | ER: | | Geoprol | oe 6610DT trad | k mounted rig | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| | | | DT 22 S | sampler 2.25 inc | ch | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | G: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | N/A | | | | | |
| CASING | SIZE | Ξ: | 2.25 | | Method | Direct Push | | | | | | | |
| DEPTH | CASI | | | | SAMPLE | | PID | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | (blow | | No. S-1 | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | odchips | | | |
| | | ` | 0-1 | | 0-3 | | IN//A | 0 IIICI | ies woc | ducilips | | | FUL |
| | | | | | | | | Brown fine | e to me | dium SAND | | | FILL |
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| RI O | GR/ WS/FT | | LAR SC | DENSITY | COHES BLOWS/FT | SIVE SOILS DENSITY | NOTES: EOB- End o | of haring | | | | | |
| 0 |)-4 | | V. | LOOSE | 0-2 | V. SOFT | | a soming | | | | | |
| | -10)-30 | | | LOOSE DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | · |
| |)-30)-50 | | | DENSE | 4-8 8-15 | STIFF | | | | | | | |
| > | 50 | | V. | DENSE | 15-30 | V. STIFF | | | | | | | |
| GENFRAI | L NOT | ES: | i) THE ST | RATIFICATION I I | > 30 NES REPRESEN | HARD T THE APPROXIMATE | E BOUNDARY RF1 | TWEEN SOIL TYPES | TRANSIT | TIONS MAY BE GR | ADUAI . | | |
| | | | | | | | | AND UNDER CONDI | | | | . | |

FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME

B-S-3

BORING No.

| | | | | | | | P | PROJ | <u>ECT</u> | REPOR | RT OF BORIN | IG No. | | B-S-4 |
|-----------------|-------------|--------|------------|------------------|---------------------|--|--------------|--------|-------------------------|------------|-------------|--------|---------|---------------------|
| 1 | λ/4 | 20 | ton | (&) So | mnec | SM | Co | nwa | y Park | | SHEET | | 1 | OF 1 |
| | VV | | | (4)00 | iripac | 4.1 | | | lle, MA | | Project No. | | | 2180123 |
| | | | | | | | | | | | CHKD BY | | | eph Spencer |
| BORING FOREM | |). | | | NE Geoted Maynor | ch | | | IG LOCATIO ND SURFAC | | / | See | attache | ed plan DATUM |
| WSE RE | | ESEN | ITATIVE | <u>=</u> : | | Taylor Smith | | | START | | 7/23/18 | DATE I | | 7/23/18 |
| SAMPL | ER: | | Geoprol | be 6610DT trac | k mounted rig | | | | | | GROUNDWA | TER OE | SERVA | TIONS |
| | | | DT 22 S | Sampler 2.25 inc | ch | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME |
| CASING | 3 : | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | - | N/A | | | | | |
| CASING | SIZ | Œ: | 2.25 | | Method | Direct Push | | ŀ | | | | | | |
| DEPTH | | SING | | • | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION |
| (feet) | _ | ws/ft) | No. S-1 | REC/PEN (in) | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | Voodchi | | | | |
| | Ϊ | ٧, ١ | 0 1 | | 0.0 | | 14/71 | | v | VOOGCIII | ρs | | | |
| | | | | | | | | | Drawn fin | | ماددیم دیال | | | FILL |
| _ | | | | | | | | | BLOWLI III. | e to med | dium SAND | | | |
| 5 | | | S-2 | | 5-10 | | | | | | | | | |
| | | | | | | | - | | | | | | | |
| | | | | | | | | | Light b | rown fin | e SAND | | | SAND |
| 10 | | | | | | | | | FOI | B @ 10 ft. | RGS | | | |
| | | | | | | | | | LO | D @ 10 1t. | Bao | | | |
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| 15 🗕 | | | | | | | | | | | | | | |
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| 30 | | | | | | | | | | | | | | |
| 30 - | | | | | | | | | | | | | | |
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| | J | , | | | | | | | | | | | | |
| | GR | ANU | LAR SC | DILS | COHES | SIVE SOILS | NOTES: | | | | | | | |
| BLO\ | WS/F)-4 | Т | | DENSITY LOOSE | BLOWS/FT 0-2 | DENSITY V. SOFT | EOB- End | d of b | ooring | | | | | |
| | ,-4 -10 | | | LOOSE | 0-2 2-4 | V. SOFT | | | | | | | | |
| 10 | -30 | | M. | DENSE | 4-8 | M. STIFF | | | | | | | | |
| |)-50 50 | | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | |
| | 00 | | V . | DLINOL | > 30 | HARD | | | | | | | | |
| GENERAL | _NO | TES: | | | | T THE APPROXIMATI MADE IN THE DRILL I | | | | | | | | |

FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME

B-S-4

BORING No.

| Check Checker No. REC/PEN (n) DEPTH (it.) BLOWS(6" ppm) SAMPLE DESCRIPTION NO.E. STATUM DESCRIPTION | | | | | | | | | PRO | JECT_ | REPOF | RT OF BORIN | IG No. | | B-S-5 |
|--|----------|-----|------|-----------|-----------------|----------------|--------------|----------|---------|---------------|------------|-----------------|---------|-------|-----------------------|
| Somerville, MA | 1 | λ/6 | 20 | ton | (F) SC | mnec | SM | C | onwa | ıv Park | | SHEET | - | I | OF 1 |
| SORING Co. NE Geotech BORING LOCATION See attached plan | | VVC | 53 | | (0)00 | ii iipsc | / 1 | | | | | Project No. | | | 2180123 |
| Mayor | | | | | | | | | | | | CHKD BY | | Jose | eph Spencer |
| Mark Properties Taylor Smith DATE START 7/23/18 DATE END TAX END | | | | | | | ch | | | | | , | See | | |
| SAMPLER: Geoprobe 66100T track mounted rig | | | ESEN | ITATIVE | <u> </u> | | Γaylor Smith | | | | | | DATE E | | |
| DT 22 Sampler 25 inch | | | | | | | , | | | | | GROUNDWA | TER OR | SFRVA | |
| CASING SIZE: 2.25 Method Direct Push | | | | | | | | | | | | | | | |
| DEPTH CASING No. RECIPEN (ri) DEPTH (it.) BLOWS(if.) PID SAMPLE DESCRIPTION NOTES STRATUM DESCRIPTION | CASING | Э: | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | |
| Section Sect | CASING | SIZ | Έ: | 2.25 | | Method | Direct Push | | | | | | | | |
| No. | DEPTH | CAS | SING | | | | | PID | | SAMPI | I E DESC | RIPTION | | NOTES | STRATI IM DESCRIPTION |
| S-2 5-10 Light brown fine SAND SAND | (feet) | _ | | | REC/PEN (in) | | BLOWS/6" | | | | | | | NOTES | STIATOW DESCRIPTION |
| S-2 5-10 Light brown fine SAND SAND 10 | | | IA. | 3-1 | | 0-5 | | IN/A | | V | voodeni | ps | | | |
| S-2 | | | | | | | | | | Brown fine | e to med | dium SAND | | | FILL |
| S2 5-10 Light brown fine SAND SAND 10 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY DENSITY DENSITY 4-10 LOOSE 2-4 SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-5 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| 20 25 30 GRANULAR SOILS BLOWS/FT O-4 V. LOOSE 0-2 V. SOFT 10-30 M. DENSE 4-18 M. STIFF 10-30 M. DENSE 8-15 STIFF S | 5 | | | S-2 | | 5-10 | | | | | | | | Ì | |
| 20 25 30 GRANULAR SOILS BLOWS/FT O-4 V. LOOSE 0-2 V. SOFT 10-30 M. DENSE 4-18 M. STIFF 10-30 M. DENSE 8-15 STIFF S | | | | | | | | | | Light h | rown fin | AND | | | SAND |
| 20 25 30 GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY 0-4 V.LOOSE 0-2 V.SOFT 10-30 M.DENSE 4-8 M. STIFF 10-30 M.DENSE 4-8 M. STIFF 5-50 V.DENSE 15-30 V.STIFF | | | | | | | | | | ыдппь | 10WIT III | 10 0/ 11 10 | | | O/ II VD |
| 20 | 10 | | | | | | | | | FOI | D @ 10 ft | DCC | | ļ | |
| 20 | | | | | | | | | | EOI | 5 @ 10 II. | . 643 | | | |
| 20 | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | |
| 25 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 V. LOOSE 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | 15 🗕 | | | | | | | | | | | | | | |
| 25 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 V. LOOSE 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| 25 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 V. LOOSE 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | \vdash | | | | | | | |
| 30 GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | 20 - | | | | | | | | | | | | | | |
| 30 GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| 30 GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| 30 GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY BLOWS/FT DENSITY 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | 25 | | | | | | | | | | | | | | |
| GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY BLOWS/FT DENSITY 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY BLOWS/FT DENSITY 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | \vdash | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY BLOWS/FT DENSITY BOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | 30 | | | | | | | | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY BLOWS/FT DENSITY BOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY BLOWS/FT DENSITY BOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY BLOWS/FT DENSITY BOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY BLOWS/FT DENSITY BOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | - ↓ | 7 | | | | | | | | | | | | |
| 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | Di Ci | | | | | 1 | | | | horing | | | | | |
| 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | 1 | | | | | EOB- E | iu Of | DOME | | | | | |
| 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | · |
| > 50 V. DENSE 15-30 V. STIFF | | | | | | | | | | | | | | | |
| I > 30 HARD I | | | | | | 15-30 | V. STIFF | | | | | | | | |
| GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | GENIEDAI | NO | TEQ. | i) TUE 03 | TDATIE!OAT!ON!! | > 30 | HARD | | V DETIA | EEN COIL TYPE | TDANIOIT | IONIS MAY BE OB | ADI IAI | | |

ii) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THIS BORING LOG.
FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME
MEASUREMENTS ARE MADE.

| Weston Sampson Conway Park Somerville, MA SHEET Project No. CHKD BY 1 OF 1 BORING Co. FOREMAN NE Geotech Maynor BORING LOCATION See attached plan FOREMAN Maynor GROUND SURFACE ELEV. DATUM WSE REPRESENTATIVE: Taylor Smith DATE START 7/23/18 DATE END 7/23/18 SAMPLER: Geoprobe 6610DT track mounted rig DT 22 Sampler 2.25 inch DATE TIME WATER AT CASING AT STABILIZATION TIME CASING: DT 22 2.25 inch PVC liners w/o catcher N/A N/A STABILIZATION TIME | | | | | | | F | PROJEC [*] | Т | REPOE | RT OF BORIN | IG No | | B-S-6 |
|--|---------|------------|----------|--|--|--------------|--|---------------------|--------------|------------|---------------|--------|---------|---------------------|
| BORING CO. NE Geolech BORING LOCATION See altached plan DATION | , | 1/20 | 1 | (2)0- | | SM | | | | | | | - | |
| BORNIG COL NE Goodach BORNIG LOCATION See attached plan | | wes | ston | (X) SC | ımpso | | | | | | | | | |
| Mayer Mayor Mayo | | | | | | | 301 | irieiville, | IVIA | | CHKD BY | | | |
| Mayer Mayor Mayo | BORING | G Co. | | | NE Geoter | ch | В | BORING L | LOCATIO | N | | See | attache | ed plan |
| SAMPLER: Geoprobe 68110DT track mounted rig GROUNDWATER OBSERVATIONS | FOREM | AN | | | Maynor | | G | GROUND | SURFAC | E ELEV | | | | DATUM |
| DT 22 Sampler 225 inch DT 22 225 inch PVC livers wis catcher DATE TIME WATER AT CASING AT STABLIZATION TIME | WSE RE | EPRESE | NTATIV | E: | | raylor Smith | D | DATE STA | ART | 7 | 7/23/18 | DATE E | END | 7/23/18 |
| CASING SIZE: 225 Method Direct Push CASING SIZE: 225 Method SIZE: 225 Method SIZE: 2 | SAMPL | ER: | | | | | | | | | | | | |
| CASING SIZE: 225 Method Direct Push | CASING | <u>2</u> . | | | | or | | - | | TIME | WATER AT | CASI | √G AT | STABILIZATION TIME |
| CASING | CASIN | J. | D1 22 2 | 1.25 IIICH F VC II | ners w/o calcine | <u> </u> | | | IN// | | | | | |
| Second Debug Deb | CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | |
| | | | | | | | - | | SAMPI | LE DESCI | RIPTION | | NOTES | STRATUM DESCRIPTION |
| S-2 S-10 Light brown fine SAND SAND | (feet) | • | , | REC/PEN (in) | | BLOWS/6" | | | | | | | | |
| SAND Siz S-10 Light brown fine SAND | | | O-1 | 1 | 0-5 | | IN/A | | V | Voouciii | .ps | | i | |
| 5 | | | | | | | | | Prown fine | to mad | dium SAND | | i | FILL |
| SAND 10 | 1 | | | | | | | L | DIOWIT III I | d to med | חמואכי וווחוג | | | |
| Light brown fine SAND SAND | 5 | | S-2 | - | 5-10 | | ╀ | | | | | | | |
| ### CORECT CHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY O'-4 V. LOOSE 0-2 V. SOFT 10-30 M. DENSE 4-8 M. STIFF 10-30 M. DENSE 4-8 M. STIFF 5-50 V. DENSE 8-15 STIFF 5-30 HARD SCHERAL NOTES: () THE STRATFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL | | | | <u> </u> | 0.0 | | <u> </u> | | | | | | | |
| 15 | | | | | | | | | Light b | rown fin | ne SAND | | | SAND |
| 15 | | | | 1 | <u> </u> | | | | | | | | i | |
| 20 GRANULAR SOILS GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 10-30 JO 30 DENSE 4-10 LOOSE 2-4 4-10 LOOSE 2-4 SOFT 4-10 LOOSE 2-4 SOFT 30-50 DENSE 8-15 STIFF > 50 V. DENSE 8-15 STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL | 10 | | + | 1 | + | | ╀ | | EOE | 3 @ 10 ft. | . BGS | | 1 1 | |
| 20 GRANULAR SOILS GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 10-30 JO 30 DENSE 4-10 LOOSE 2-4 4-10 LOOSE 2-4 SOFT 4-10 LOOSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL | | | | | | | | | | | | | | |
| 20 GRANULAR SOILS GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 10-30 JO 30 DENSE 4-10 LOOSE 2-4 4-10 LOOSE 2-4 SOFT 4-10 LOOSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL | | | | <u> </u> | | | \Box | | | | | | i | |
| 20 GRANULAR SOILS GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 10-30 JO 30 DENSE 4-10 LOOSE 2-4 4-10 LOOSE 2-4 SOFT 4-10 LOOSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL | | | | | | | + | | | | | | | |
| 25 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 4-10 LOOSE 2-4 4-50FT 10-30 M. DENSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | 15 | | 1 | | | | | | | | | | | |
| 25 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 4-10 LOOSE 2-4 4-50FT 10-30 M. DENSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | | | | | | | | | | |
| 25 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 4-10 LOOSE 2-4 4-50FT 10-30 M. DENSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | <u> </u> | | <u> </u> | | | | | | | | | |
| 25 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 4-10 LOOSE 2-4 4-50FT 10-30 M. DENSE 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | 1 | + | | + | | | | | | | |
| 30 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 V. LOOSE 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: I) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | 20 | | | | | | | | | | | | | |
| 30 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 V. LOOSE 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: I) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | | | | | | | | | i | |
| 30 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 V. LOOSE 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: I) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | 1 | | | + | | | | | | i | |
| 30 GRANULAR SOILS COHESIVE SOILS BLOWS/FT DENSITY 0-4 V. LOOSE 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: I) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | 25 | | | l | | | † | | | | | | i | |
| GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY EOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | 25 | | | | | | | | | | | | i | |
| GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY EOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | | | | | | | | | i | |
| GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY EOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | + | | <u> </u> | + | | | | | | | |
| GRANULAR SOILS COHESIVE SOILS NOTES: BLOWS/FT DENSITY BLOWS/FT DENSITY EOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | 30 | | | | | | | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY EOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | <u> </u> | | | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY EOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | - | | + | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY EOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | | | | | | | | | | |
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| BLOWS/FT DENSITY BLOWS/FT DENSITY EOB- End of boring 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | GRAN | II AR SC |)II S | COHES | SIVE SOILS | NOTES: | | | | | | | |
| 4-10 LOOSE 2-4 SOFT 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | BLO | | | | 1 | | | d of bori | ing | | | | | |
| 10-30 M. DENSE 4-8 M. STIFF 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES:) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | | | 1 | | | | | | | |
| 30-50 DENSE 8-15 STIFF > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | | | | | | | | | | |
| > 50 V. DENSE 15-30 V. STIFF > 30 HARD GENERAL NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | | | | | | | | | | |
| GENERAL NOTES: i) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES. TRANSITIONS MAY BE GRADUAL. | | | | | | | | | | | | | | |
| · | | | | | | | | | | | | | | |
| | GENERAL | _ NOTES: | , | | | | | | | | | | i. | |

FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME

B-S-6

BORING No.

| | | | | | | <u>PROJECT</u> | | | REPORT OF BORING No. | | | | B-S-7 | |
|-------------------------------------|--------------|---------|------------------|----------------|--|----------------|-----------------------------------|----------------------|----------------------|-----------------------|--------|----------------|---------------------|--|
| Weston Sampson | | | | | | l , | Conv | ov Dork | | SHEET | | 1 | | |
| | | | | | | | | ay Park ville, MA | Project No. | | | 2180123 | | |
| | | | | | | | ounei | ville, iviA | | CHKD BY | | Joseph Spencer | | |
| BORING Co. NE Geotech | | | | | | | BORING LOCATION See attached plan | | | | | ed plan | | |
| FOREM | AN | | | Maynor | | | | UND SURFAC | | <i>/</i> . | | | DATUM | |
| WSE RE | EPRESE | NTATIV | E: | | Taylor Smith | | DATE | E START | | 7/23/18 | DATE I | END | 7/23/18 | |
| SAMPL | ER: | Geopro | be 6610DT trac | k mounted rig | | | | | | GROUNDWA [*] | TER OE | BSERVA | TIONS | |
| | | DT 22 S | Sampler 2.25 inc | ch | | | | DATE | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME | |
| CASING | Э: | DT 22 2 | 2.25 inch PVC li | ners w/o catch | er | | | N/A | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | | | | | | | | |
| DEPTH | CASING | 2.20 | | SAMPLE | Direct i dan | PID | | | | | | | | |
| (feet) | (blows/ft) | No. | REC/PEN (in) | | BLOWS/6" | (ppm) | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION | |
| | ŅA | S-1 | 50/60 | 0-5 | | N/A | | | Topso | il | | | TOPSOIL | |
| | | | | | | | Dar | k brown fine to | o coarse | e SAND; som | e coal | | | |
| | | - | | | | | | | | trace glass | | | FILL | |
| _ | | | | | | | | Rust stained | fine to i | medium SANI |) | | | |
| 5 - | | S-2 | | 5-10 | | | | | | | | 1 | | |
| | | | | | | | | - | " 0 | ANID | | | CAND | |
| | | - | | | | | | lar | n fine S | AND | | | SAND | |
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| 10 🗕 | | | | | | | | EOE | B @ 10 ft | . BGS | | 1 | | |
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| | GRANL | JLAR SC | DILS | COHE | SIVE SOILS | NOTES | S: | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY B | | | | | | EOB- E | End of | f boring | | | | | | |
| 0-4 V. LOOSE 0-2 V. SOFT | | | | | | | | | | | | | | |
| | -10)-30 | | LOOSE . DENSE | 2-4 4-8 | SOFT M. STIFF | | | | | | | | | |
| |)-50 | | DENSE | 8-15 | STIFF | | | | | | | | | |
| | 50 | V. | . DENSE | 15-30 | V. STIFF | | | | | | | | | |
| | | | | > 30 | HARD | | | | | | | | | |
| GENERAI | _ NOTES: | | | | T THE APPROXIMAT | | | | | | | | | |
| | | | | | MADE IN THE DRILL I DUNDWATER MAY O | | | | | | | 1. | | |
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B-S-7

BORING No.

| | | | | | | <u>PROJECT</u> | | | REPORT OF BORING No. | | | B-S-10 | | |
|---|--------------|----------|-------------------|----------------|--------------------------------------|----------------|--------|----------------------|----------------------|-----------------|--------|----------------|---------------------|--|
| Weston Sampson | | | | | | | Conv | ay Park | | SHEET | | 1 OF 1 | | |
| | | | | | | | | ay Park ville, MA | | Project No. | | 2180123 | | |
| | | | | | | | ome | viiio, ivii t | | CHKD BY | | Joseph Spencer | | |
| BORING | G Co. | | | NE Geoted | ch | | BOR | ING LOCATIO | N | | See | attache | ed plan | |
| FOREM | | | | Maynor | | | GRO | UND SURFAC | CE ELEV | | | | DATUM | |
| WSE RE | PRESE | NTATIVI | Ē: | 1 | Taylor Smith | | DATE | START | | 7/23/18 | DATE I | END | 7/23/18 | |
| SAMPL | ER: | | be 6610DT trac | | | | _ | | (| GROUNDWA | | | | |
| CASING | ٠. | | Sampler 2.25 inc | | | | - | DATE N/A | TIME | WATER AT | CASII | NG AT | STABILIZATION TIME | |
| CASING | J. | D1 22 2 | 2.25 inch PVC lir | ners w/o catch | er | | - | IN/A | | | | | | |
| CASING | SIZE: | 2.25 | | Method | Direct Push | | • | | | | | | | |
| DEPTH | CASING | | | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION | |
| (feet) | (blows/ft) | | REC/PEN (in) | DEPTH (ft.) | BLOWS/6" | (ppm) | | 0, 1, 1, 1 | | | | 110120 | TOPSOIL | |
| | NA | S-1 | 45/60 | 0-5 | | N/A | | | Topsoi | II | | | TOPSOIL | |
| | | | | | | | Dark | brown fine to | coarse | SAND; some | gravel | | FILL | |
| | | | | | | | | | | | | | | |
| 5 - | | S-2 | 50/60 | 5-10 | | | | | | | | | | |
| | | 02 | 30/00 | 3 10 | | | | Light b | rown fin | ne SAND | | | CAND | |
| | | | | | | | 1 | | | | | | SAND | |
| | | | | | | Tor | | | n fine SA | AND | | | | |
| 10 🗕 | | | | | | | | | B @ 10 ft. | | | | | |
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| | | JLAR SC | | | SIVE SOILS | NOTES | | | | | | | | |
| | | | | | | EOB- E | End of | boring | | | | | | |
| 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT | | | | | | | | | | | | | | |
| | -30 | | DENSE | 4-8 | M. STIFF | | | | | | | | | |
| | -50 50 | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | | |
| | 50 | V. | DLINGL | > 30 | HARD | | | | | | | | | |
| GENERAL | NOTES: | i) THE S | TRATIFICATION LI | NES REPRESEN | T THE APPROXIMAT | E BOUNDA | RY BET | WEEN SOIL TYPES. | . TRANSIT | IONS MAY BE GRA | ADUAL. | | | |
| | | | | | MADE IN THE DRILL JUNDWATER MAY O | | | | | | | ì. | | |

B-S-10

BORING No.

| | | | | | | | PROJECT | | | REPORT OF BORING No. | | | | B-S-11 | | |
|---|------------|----------|------------|-----------------------|---------------------|--|--------------|----------|---------------------------|-------------------------|-------------|--------|----------------|---------------------|--|--|
| 1 | λ/6 | 20 | ton | (&) So | mnec | SM | | Conw | ay Park | | SHEET | | | 1 OF 1 | | |
| | VVC | | | (4)00 | iripac | 4.1 | | | ville, MA | Project No. | | | 2180123 | | | |
| | | | | | | | | | | | CHKD BY | | Joseph Spencer | | | |
| BORING FOREM | | | | | NE Geoted Maynor | ch | | | ING LOCATIO UND SURFAC | | / | See | attache | d plan DATUM | | |
| WSE RE | | ESEN | ITATIVE | ≣ : | | Taylor Smith | | | E START | | 7/23/18 | DATE E | | 7/23/18 | | |
| SAMPL | ER: | | Geoprol | be 6610DT trac | k mounted rig | | | | | | GROUNDWA | TER OE | SERVA | TIONS | | |
| | _ | | DT 22 S | Sampler 2.25 inc | ch | | | | DATE | TIME | WATER AT | | NG AT | STABILIZATION TIME | | |
| CASING | 3 : | | DT 22 2 | .25 inch PVC li | ners w/o catch | er | | | N/A | | | | | | | |
| CASING | SIZ | E: | 2.25 | | Method | Direct Push | | | | | | | | | | |
| DEPTH | | SING | | • | SAMPLE | | PID | | SAMP | LE DESC | RIPTION | | NOTES | STRATUM DESCRIPTION | | |
| (feet) | (blov | vs/ft) | No. S-1 | REC/PEN (in) 50/60 | DEPTH (ft.) 0-5 | BLOWS/6" | (ppm) N/A | | | | | | | | | |
| | Ï | <i>i</i> | 0 1 | 30/00 | 0.5 | | 14//~ | | | Topso | il | | | TOPSOIL | | |
| | | | | | | | | | | Concre | te | | | | | |
| _ | | | | | | | | | | | | | | | | |
| 5 - | | | S-2 | 45/60 | 5-10 | | | Br | own fine to co | arse SA | ND: some ar | avel: | | FILL | | |
| | | | | | | | | | | race bri | - | , | | | | |
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| 10 - | | | | | | | | | | n fine SA B @ 10 ft. | | | | SAND | | |
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| GRANULAR SOILS COHESIVE SOILS | | | | | | NOTES | : | | | | | | | | | |
| BLOWS/FT DENSITY BLOWS/FT DENSITY | | | | | | EOB- E | ind of | f boring | | | | | | | | |
| 0-4 V. LOOSE 0-2 V. SOFT 4-10 LOOSE 2-4 SOFT | | | | | | | | | | | | | | | | |
| 10 | -30 | | M. | DENSE | 4-8 | M. STIFF | | | | | | | | | | |
| |)-50 50 | | | DENSE DENSE | 8-15 15-30 | STIFF V. STIFF | | | | | | | | | | |
| | JU | | ۷. | DLINOL | > 30 | V. STIFF HARD | | | | | | | | | | |
| GENERAL | NOT | ES: | | | | T THE APPROXIMATI MADE IN THE DRILL I | | | | | | | | | | |

FLUCTUATIONS IN THE LEVEL OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME

B-S-11

BORING No.



PROJECT NAME: Conway Park **CLIENT:** City of Somerville PROJECT NUMBER: 2170709 PROJECT LOCATION: Somerville, MA **CONTRACTOR:** Technical Drilling Services BORING LOCATION: See Site Plan GROUND ELEVATION: 18.9 ft. +/-FOREMAN: Brett Baylk **DATUM: NAVD88** LOGGED BY: B. Toner **CHECKED BY: DRILLING DATE - START:** 11/2/17 **END**: 11/2/17 DRILLING METHOD/CASING DIAMETER: HSA / 4.25 in. I.D. GROUNDWATER LEVEL AT THE TIME OF DRILLING (Date / Time / Depth): HAMMER WEIGHT/DROP HEIGHT/SPOON SIZE: 140 lb / 30 in / 2 in O.D. 11/2/2017, 13 ft. +/- (WET SAMPLE.) LOW COUNTS (N-Value) STRATA NAME GRAPHIC LOG DEPTH (ft.) Elevation SAMPLE NUMBER SAMPLE DEPTH (ft.) PENETRATION RECOVERY MATERIAL DESCRIPTION COMMENTS 0 W&S BORING LOG - GINT STD US GDT - 12/12/17 12:56 - P:WA\SOMERVILLE MA\CONWAY PARK\GEOTECHNICAL\FIELD WORK\BORING LOGS\CONWAY PARK BORING LOGS GP. Top 11" - Medium dense, dark brown, fine to medium SAND, some silt, little 9-8-20-13 12/ gravel, trace organics (roots); moist. [FILL] S-1 0 - 2 24 (28)Bottom 1" - Brown, fine to medium SAND, some gravel, little silt, trace debris (coal); moist. [FILL] No recovery. 9-4-6-7 0/S-2 2 - 4 24 (10)Medium dense, dark brown, fine to medium SAND, some gravel, some silt, 16 / 6-4-6-8 little debris (coal, slate, slag); moist. [FILL] S-3 4 - 6 24 (10)Top 7" - Medium dense, dark brown, fine to medium SAND, little gravel, little 7-8-6-5 silt, trace debris (coal); moist. [FILL] 12 / 6 - 8 S-4 (14)24 Bottom 5" - Brown, silty fine to medium SAND, trace gravel; moist. [FILL] Medium dense, brown, fine to medium SAND, some silt, some gravel; moist. 5-7-8-7 [FILL] S-5 | 8 - 10 24 (15)Medium dense, brown, fine to coarse SAND, some silt, little gravel; moist. 5-7-8-8 [FILL] S-6 10 - 12 24 (15)Top 7" - Medium dense, fine to coarse SAND, some silt, some gravel; moist. 5-4-7-9 11/ \[FILL] ∇ S-7 12 - 14 (11)Hollow stem augers 24 Bottom 4" - Dark brown, fine to coarse SAND, some gravel, little silt, trace filled with water. debris (slag), trace organics (wood); wet. Medium dense, dark brown, silty fine to medium SAND, some gravel; wet. 18-14-8-6 15 S-8 14 - 16 24 (22)Medium dense, dark brown, fine to medium SAND, trace gravel, trace silt; 10 / 6-5-7-6 S-9 16 - 18 24 (12)Medium dense, dark brown, fine to medium SAND, trace gravel, trace silt; 12 / 5-5-6-6 wet S-10 18 - 20 (11)Bottom of boring at 20.0 ft. bgs.

| SAMPLE TYPE | | | | | | | |
|-------------|-------------------|--|--|--|--|--|--|
| S | Split Spoon | | | | | | |
| ST | Shelby Tube | | | | | | |
| AS | Auger/Grab Sample | | | | | | |
| NQ | 2" Rock Core | | | | | | |
| GP | Geoprobe | | | | | | |

| GRANU | LAR SOILS |
|----------|--------------|
| BLOWS/FT | DENSITY |
| 0-4 | Very Loose |
| 4-10 | Loose |
| 10-30 | Medium Dense |
| 30-50 | Dense |
| >50 | Very Dense |
| | |

| COHES | SIVE SOILS |
|----------|--------------|
| BLOWS/FT | CONSISTENCY |
| 2 | Very Soft |
| 2-4 | Soft |
| 4-8 | Medium Stiff |
| 8-15 | Stiff |
| 15-30 | Very Stiff |
| >30 | Hard |

SOIL CLASSIFICATION

| -y, -ly, -ey | 35-50% |
|--------------|--------|
| some | 20-35% |
| little | 10-20% |
| trace | <10% |
| | |

| ORGANIC SOI | LS |
|---------------------------|--------|
| organic (soil) | 15-50% |
| (soil) with some organics | 5-15% |

GENERAL NOTES:

2) Water level readings have been made in the drill holes at the times and conditions stated on the boring log. Fluctuations in the level of groundwater may occur due to other factors than those presented at the time measurements are made

BORING NUMBER: WSE-1

The stratification lines represent the approximate boundary between soil types; actual transitions may be gradual.

PAGE 1 OF 2



| CLIEN | NT: <u>C</u> | ity of S | omervi | lle | | | PROJECT NAME: Conway Park | | | | | |
|--|------------------|-----------------------|---------------------------------|--------------------------|--|-----------------|--|---|--|--|--|--|
| PROJ | ECT N | IUMBEI | R : 21 | 70709 | | | PROJECT LOCATION: Somerville, MA | | | | | |
| 1 | | | | al Drilling Se | rvices | | BORING LOCATION: See Site Plan | | | | | |
| 1 | | Brett E | | | | | GROUND ELEVATION: 19.2 ft. +/- DATUM: N | | | | | |
| 1 | | | | | | | Y: DRILLING DATE - START: 11/2/17 | | | | | |
| 1 | | | | | | | GROUNDWATER LEVEL AT THE TIME OF DRILLING | 6 (Date / Time / Depth): | | | | |
| HAIVIN | VIEK W | EIGHI | | HEIGH 1/SP | OON S | IZE:_ | 40 lb / 30 in / 2 in O.D. 11/2/2017, 14 ft. +/- (WET SAMPLE.) | | | | | |
| O DEPTH (ft.) Elevation | SAMPLE NUMBER | SAMPLE DEPTH (ft.) | RECOVERY / PENETRATION (in.) | BLOW COUNTS (N-Value) | GRAPHIC LOG | STRATA NAME | MATERIAL DESCRIPTION | COMMENTS | | | | |
| 19.2 | S-1 | 0 - 2 | 23 / 24 | 6-8-14-13 (22) | | | Top 6" - Topsoil Middle 9" - Dense, brown, silty fine to medium SAND; moist. [FILL] Bottom 8" - Brown, fine to coarse SAND, little silt, trace gravel; moist. [FILL] | | | | | |
| | S-2 | 2 - 4 | 15 / 24 | 8-7-12-7 (19) | | | Top 3" - Brown, fine to coarse SAND, little silt, trace gravel, little debris (brick concrete); moist. [FILL] Bottom 12" - Medium dense, dark brown, fine to coarse SAND, some debris (brick, coal), some silt, little gravel; moist. [FILL] | ζ, | | | | |
| 5 | S-3 | 4 - 6 | 0 / 24 | 4-7-10-11 (17) | | | No recovery. | | | | | |
| | S-4 | 6 - 8 | 12 / 24 | 20-13-10-9 (23) | | | Top 6" - Medium dense, brown, GRAVEL, some fine to coarse sand, some silt; wet. [FILL] Bottom 6" - Dark brown, fine to medium SAND, some silt, trace gravel, trace debris (brick, coal); moist. [FILL] | | | | | |
| - - 10 | S-5 | 8 - 10 | 6 / 24 | 6-5-4-4 (9) | | F | Loose, brown, fine to coarse SAND, some silt, trace gravel, trace debris (brick, coal); moist. [FILL] | | | | | |
| 9.2 | S-6 | 10 - 12 | 8 / 24 | 5-3-4-4 (7) | | | Loose, dark brown, fine to coarse SAND, some silt, some gravel, little debris (brick, coal); moist. [FILL] | | | | | |
| | | 12 - 14 | 9 / 24 | 15-9-8-8 (17) | | | Medium dense, dark brown, fine to coarse SAND, some gravel, some debris (coal), little silt; moist. [FILL] | | | | | |
| 15 | | 14 - 16 | 4 / 24 | 9-8-5-4 (13) | | | Stiff, dark brown, organic SILT (wood fibers); wet. | Hollow stem augers filled with water. | | | | |
| - | S-9 | 16 - 18 | 16 / 24 | 7-7-9-10 (16) | | | Medium dense, dark gray, fine to medium SAND, trace gravel, trace silt; wet | | | | | |
| 20 | S-10 | 18 - 20 | 12 / 24 | 4-5-5-6 (10) | | SAND | Medium dense, brown, fine to medium SAND, trace silt; wet. | | | | | |
| 0 19.2 | S-11 | 23 - 25 | 20 / | 2-2-3-3 | | CLAY | Medium stiff, gray, CLAY, trace fine to coarse sand; wet. | | | | | |
| 25 | | | 24 | (5) | | | | | | | | |
| S Split Spoon ST Shelby Tube AS Auger/Grab Sample AS Auger/Grab Sample ST GP Geoprobe ST Shelby Tube As Auger/Grab Sample A-10 Loose 2-4 So Auger/Grab Sample 10-30 Medium Dense 4-8 Medium Dense 30-50 Dense 8-15 Sti Sti | | | | | DENSIT /ery Loo Loose edium De Dense | Y se ense | 2-4 Soft 4-8 Medium Stiff 8-15 Stiff 15-30 Very Stiff Soft trace 10-20% 2) Water level readings have been made conditions stated on the boring log. Flu may occur due to other factors than tho measurements are made. | e in the drill holes at the times and stuations in the level of groundwater | | | | |

PAGE 2 OF 2

Weston & Sampson CLIENT: City of Somerville PROJECT NAME: Conway Park PROJECT NUMBER: 2170709 PROJECT LOCATION: Somerville MA

| PROJE | -01 140 | JIVIDLI | \. | 0709 | | | PROJECT LOCATION. Sometville, IVIA | |
|----------|---------|-----------------------|---------------------------------|--------------------------|-------------|-------------|---|----------|
| 25 | SAMPLE | SAMPLE DEPTH (ft.) | RECOVERY / PENETRATION (in.) | BLOW COUNTS (N-Value) | GRAPHIC LOG | STRATA NAME | MATERIAL DESCRIPTION | COMMENTS |
| -5.8 | | | | | | ND CLAY | | |
| 30 | S-12 2 | 28 - 30 | 24 / 24 | 2-2-3-3 (5) | | SAND | Top 12" - Loose, gray, fine to coarse SAND, trace silt; wet. Bottom 12" - Medium stiff, gray, silty CLAY; wet. | |
| -10.8 | S-13 3 | 30 - 32 | 23 / 24 | 2-2-2-3 (4) | | CLAY | Medium stiff, gray, silty CLAY; wet. | |

Bottom of boring at 32 ft. bgs.

| ١ | | SAMPLE TYPE | |
|---|----|-------------------|----|
| | S | Split Spoon | BL |
| 1 | ST | Shelby Tube | |
| | AS | Auger/Grab Sample | |
| | NQ | 2" Rock Core | |
| ۱ | GP | Geographa | 1 |

| | GRANU | LAR SOILS |
|---|----------|--------------|
| | BLOWS/FT | DENSITY |
| | 0-4 | Very Loose |
| . | 4-10 | Loose |
| | 10-30 | Medium Dense |
| | 30-50 | Dense |
| | >50 | Very Dense |
| | | |

| COHES | SIVE SOILS |
|----------|--------------|
| BLOWS/FT | CONSISTENCY |
| 2 | Very Soft |
| 2-4 | Soft |
| 4-8 | Medium Stiff |
| 8-15 | Stiff |
| 15-30 | Very Stiff |
| >30 | Hard |

SOIL CLASSIFICATION 35-50% 20-35% 10-20% -y, -ly, -ey some little <10%

trace **ORGANIC SOILS** organic (soil) 15-50% (soil) with some organics 5-15%

GENERAL NOTES:1) The stratification lines represent the approximate boundary between soil types; actual transitions may be gradual.

 Water level readings have been made in the drill holes at the times and conditions stated on the boring log. Fluctuations in the level of groundwater may occur due to other factors than those presented at the time measurements are made.

BORING NUMBER: WSE-2

W&S BORING LOG - GINT STD US.GDT - 12/12/17 12:56 - P.:WAISOMERVILLE MAICONWAY PARKIGEOTECHNICAL/FIELD WORKIBORING LOGS/CONWAY PARK BORING LOGS.

BORING NUMBER: WSE-3 PAGE 1 OF 2



| CLIEN | NT: _C | ity of S | omervi | lle | | | PROJECT NAME: Conway Park | PROJECT NAME: Conway Park | | | | |
|---|--|-----------------------|---------------------------------|--------------------------|-----------------------------|-------------|---|--|--|--|--|--|
| PROJ | ECT N | IUMBEI | R : _21 | 70709 | | | PROJECT LOCATION: Somerville, MA | PROJECT LOCATION: Somerville, MA | | | | |
| CONT | RACT | OR : _Te | echnica | al Drilling Se | rvices | | BORING LOCATION: See Site Plan | | | | | |
| FORE | MAN: | Brett E | Baylk | | | | GROUND ELEVATION: 19.1 ft. +/- DATUM | M: NAVD88 | | | | |
| LOGG | SED B | Y: B. T | oner | | CHECK | ED B | Y: DRILLING DATE - START:11/1/17 EN | DRILLING DATE - START: _11/1/17 | | | | |
| DRILL | ING N | IETHOI | D/CASI | NG DIAMET | ER : H | SA/4 | 4.25 in. I.D. GROUNDWATER LEVEL AT THE TIME OF DRIL | LING (Date / Time / Depth): | | | | |
| HAMN | /IER W | EIGHT | DROP | HEIGHT/SP | OON S | IZE:_ | 140 lb / 30 in / 2 in O.D. 11/2/2017, 12 ft. +/- (WET SAMPLE.) | | | | | |
| DEPTH (ft.) Elevation | SAMPLE NUMBER | SAMPLE DEPTH (ft.) | RECOVERY / PENETRATION (in.) | BLOW COUNTS (N-Value) | GRAPHIC LOG | STRATA NAME | MATERIAL DESCRIPTION | COMMENTS | | | | |
| 19.1 | S-1 | 0 - 2 | 14 / 24 | 6-12-16-15 (28) | | | Top 6" - Topsoil Bottom 8" - Medium dense, brown, fine to coarse SAND, trace gravel, tra silt; moist. [FILL] | ace | | | | |
| 0 19.1 5 14.1 10 9.1 - \sqrt{15} 4.1 | S-2 | 2 - 4 | 11 / 24 | 8-12-18-14 (30) | | | Top 4" - Brown, fine to coarse SAND, little silt, trace gravel; moist. [FILL Bottom 7" - Medium dense, dark brown, fine to coarse SAND, some deb (brick, coal ash), little gravel, little silt; moist. [FILL] | | | | | |
| 5 14.1 | S-3 | 4 - 6 | 19 / 24 | 8-7-11-11 (18) | | - ; | Top 11" - Medium dense, dark brown, silty fine to medium SAND, little g trace debris (coal, slag); moist. Bottom 8" - Dark brown, fine to coarse SAND, some gravel, little debris (trace silt: moist. | | | | | |
| | S-4 | 6 - 8 | 14 / 24 | 8-6-4-1 (10) | | FILL | Top 8" - Medium dense, fine to coarse SAND, some silt, trace gravel, tra debris (brick, coal, slag); moist. [FILL] Bottom 6" - Dark brown, fine to coarse SAND, trace gravel, trace debris (brick, coal, slag), trace silt; moist. [FILL] | | | | | |
| 10 | S-5 | 8 - 10 | 6 / 24 | 1-2-1-4 (3) | | | Soft, dark brown to gray, silty CLAY, some debris (wood), trace fine to coarse sand; moist. [FILL] | | | | | |
| 9.1 | | 10 - 12 | 5 / 24 | 1-1-2-3 (3) | | | Soft, dark brown to gray, fine to medium sandy CLAY, some debris (bric coal, wood); moist. [FILL] | k, | | | | |
| - | | 12 - 14 | 11 / 24 | 3-3-3-12 (6) | | **** | Top 4" - Dark brown, organic SILT (wood fibers); wet. Bottom 7" - Loose, gray, clayey fine to coarse SAND, some gravel; wet, petroleum odor. | Hollow stem augers filled with water. | | | | |
| 15 | S-8 | 14 - 16 | 14 / 24 | 8-1-4-3 (5) | | CLAY | Medium stiff, dark brown, CLAY with some silt, little fine to coarse sand, gravel; wet. | trace | | | | |
| | S-9 | 16 - 18 | 20 / 24 | 3-7-11-11 (18) | | | Top 7" - Dark brown, CLAY with some silt, some gravel, little fine to coal sand; wet. Bottom 13" - Medium dense, brown, fine to coarse SAND, trace silt; wet | | | | | |
| 20 | S-10 | 18 - 20 | 18 / 24 | 3-4-5-7 (9) | | SAND | Loose, brown, fine to coarse SAND, trace gravel, trace silt; wet. | | | | | |
| 25 -5.9 S S S ST AS | Split Sp Shelby Auger/0 | Tube Grab Sar | B | 0-4 \ 4-10 | DENSIT /ery Loo Loose | Y se | 2 Very Soft Some 20-35% types; actual transitions may be g 2-4 Soft little 10-20% 2) Water level readings have been some 20-35% 2) Water level readings have been | nt the approximate boundary between soil radual. | | | | |
| NQ GP | NQ 2" Rock Core 10-30 Medium Dense 4-8 Medium Stiff conditions stated on the boring log. Fluctuation may occur due to other factors than those present trace 10-30 Medium Dense 4-8 Medium Stiff may occur due to other factors than those present trace 10-30 Medium Dense 4-8 Medium Stiff may occur due to other factors than those present trace 10-30 Medium Dense 10-30 Medium D | | | | | | | | | | | |



PAGE 2 OF 2

CLIENT: City of Somerville PROJECT NAME: Conway Park PROJECT NUMBER: 2170709 PROJECT LOCATION: Somerville, MA BLOW COUNTS (N-Value) STRATA NAME GRAPHIC LOG DEPTH (ft.) Elevation SAMPLE NUMBER SAMPLE DEPTH (ft.) RECOVERY / PENETRATION (MATERIAL DESCRIPTION **COMMENTS** At 25 ft. bgs, hollow stem augers filled with approximatley 3 ft. of sand; no sample collected.

Bottom of boring at 25 ft. bgs.

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| 12:56 - D:MA\SOMEDVII I E MA\CONMAY DADI | 1 |
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| - 12/12/17 12:56 - D:MAA\SOMEDVII I E MA\CONIMA DADI | 7 7 |
| - 12/12/17 12:56 - D:MAA\SOMEDVII I E MA\CONIMA DADI | 7 7 |
| CDT - 12/12/17 12:56 - D:\MA\SOMED\!!! E MA\CONIV\AY DAPI | 77 |
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| 11S C.D.T 10/10/17 10:56 - D:MANSOMED//II I E MANCONIM/AV DAPI | 7 7 |
| 11S C.D.T 10/10/17 10:56 - D:MANSOMED//II I E MANCONIM/AV DAPI | 20.00 |
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| 11 STD 11S CDT - 19/19/17 19:58 - D:\MA\SOMEB\/!! I F MA\CONIMAY DADI | 20.00 |
| T STO US OUT - 19/19/17 19:56 - D:\MA\SOMED\/!! I F MA\CONIMA SOME | 20.00 |
| 10 PA | 20.00 |
| 10 PA | 1/3/3 |
| 11 STD 11S CDT - 19/19/17 19:58 - D:\MA\SOMEB\/!! I F MA\CONIMAY DADI | 1/3/3 |
| 1 OC - GINT STOLIS OLT - 10/10/17 10:56 - D:MA\SOMED\/!! I F MA\CONIV/AY DADI | 20.00 |
| 2 OC - FINT STOLIS OUT - 10/10/17 10:56 - D:MA\SOMED\/!! F MA\CONIV/A\ DADI | |
| 2 OC - FINT STOLIS OUT - 10/10/17 10:56 - D:MA\SOMED\/!! F MA\CONIV/A\ DADI | |
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| 2 OC - FINT STOLIS OUT - 10/10/17 10:56 - D:MA\SOMED\/!! F MA\CONIV/A\ DADI | |

SAMPLE TYPE Split Spoon ST Shelby Tube AS Auger/Grab Sample 2" Rock Core GP Geoprobe

GRANULAR SOILS BLOWS/FT <u>DENSITY</u> Very Loose 0-44-10 Loose 10-30 Medium Dense 30-50 Dense >50 Very Dense

COHESIVE SOILS BLOWS/FT CONSISTENCY Very Soft Soft 2-4 4-8 Medium Stiff 8-15 Stiff 15-30 Very Stiff >30 Hard

SOIL CLASSIFICATION 35-50% 20-35% -y, -ly, -ey some 10-20% little <10% trace

ORGANIC SOILS organic (soil) 15-50% (soil) with some organics 5-15%

GENERAL NOTES:1) The stratification lines represent the approximate boundary between soil types; actual transitions may be gradual.

 Water level readings have been made in the drill holes at the times and conditions stated on the boring log. Fluctuations in the level of groundwater may occur due to other factors than those presented at the time measurements are made.

BORING NUMBER: WSE-3

PAGE 1 OF 1



| | | | | _ | | | | | | | |
|---|--------------------|----------------------------|---------------------------------|------------------------------------|---|-------------|--|---|--|--|--|
| 1 | - | ity of S | | | | | | PROJECT NAME: Conway Park | | | |
| PROJ | ECT N | IUMBEI | R : _21 | 170709 | | | | PROJECT LOCATION: Somerville, MA | | | |
| CONT | RACT | OR: _T | echnic | al Drilling Se | rvices | | | BORING LOCATION: See | e Site Plan | | |
| FORE | MAN: | Brett E | Baylk | | | | | GROUND ELEVATION: 1 | 9.4 ft. +/- | DATUM: NA | /D88 |
| LOGG | ED B | Y : <u>B</u> . T | oner | | CHECK | ED E | BY: | DRILLING DATE - START | : 11/2/17 | END: _11/ | 2/17 |
| DRILL | ING N | METHO | D/CAS | ING DIAMET | ER: H | SA/ | 4.25 in. I.D. | GROUNDWATER LEVEL | AT THE TIME | OF DRILLING (| Date / Time / Depth): |
| HAM | /IER W | /EIGHT | DROF | P HEIGHT/SP | OON S | ZE: | 140 lb / 30 in / 2 in O.D. | 11/2/2017, 13 ft. +/- (| WET SAMPL | _E.) | |
| DEPTH (ft.) 60 Elevation | SAMPLE NUMBER | SAMPLE DEPTH (ft.) | RECOVERY / PENETRATION (in.) | BLOW COUNTS (N-Value) | GRAPHIC LOG | STRATA NAME | | MATERIAL DESCRIPTION | ON | | COMMENTS |
| 0 19.4 5 14.4 10 9.4 - \sqrt{2} | | | | | | | No samples collected | from 0-10 ft. bgs. | | | |
| 10 9.4 - ⊻ | | 10 - 12 | 2 / 24 | 6-7-11-13 (18) | | | Medium dense, dark b (roots); moist. | rown, fine to medium SANI | D, some silt, t | trace organics | |
| 15 4.4 | S-2 | 15 - 17 | 18 / 24 | 4-6-8-8 (14) | | SAND | Medium dense, brown | , fine to medium SAND, tra | ce silt; wet. | | Hollow stem augers filled with water. |
| 20 -0.6 | S-3 | 20 - 22 | 24 / 24 | 3-7-11-14 (18) | | | | , fine to medium SAND, tra | ce silt; wet. | | |
| | | | | | | | Bottom of boring at 22 | ft. | | | |
| S S ST AS NQ GP | Split Sp Shelby | Tube Grab Sar ‹ Core | 1 | 0-4 \ 4-10 10-30 Me 30-50 | R SOILS DENSITY /ery Loose Loose edium De Dense /ery Dens | e nse | COHESIVE SOILS BLOWS/FT CONSISTENCY 2 Very Soft 2-4 Soft 4-8 Medium Stiff 8-15 Stiff 15-30 Very Stiff >30 Hard | y -y, -ly, -ey 35-50% some 20-35% little 10-20% trace <10% | types; actual transit 2) Water level reac conditions stated or | lines represent the appritions may be gradual. dings have been made ir n the boring log. Fluctuather factors than those p made. | roximate boundary between soil in the drill holes at the times and ations in the level of groundwater resented at the time |

PAGE 1 OF 1



| 1 | CLIEN | NT: _C | ity of S | omervi | lle | | | PROJECT NAME: Conway Park | | | | | |
|--|-------------|--------|-----------------------|------------------------------|-------------------------|-------------|------------|--|--|--|--|--|--|
| Common | PROJ | IECT N | IUMBEI | R : <u>21</u> | 70709 | | | PROJECT LOCATION: Somerville, MA | PROJECT LOCATION: Somerville, MA | | | | |
| DRILLING METHOD/CASING DAMPETER: HSA / 4.25 in. I.D. | CONT | RACT | OR: Te | echnica | al Drilling Se | rvices | | BORING LOCATION: See Site Plan | | | | | |
| ### COMMEDIA STATE SAME AND PROPERTIES AND STATE SAME AND PROVIDED STATE SAME AND PROPERTIES AND | FORE | MAN: | Brett E | Baylk | | | | GROUND ELEVATION: 20 ft. +/- DATUM: NA | GROUND ELEVATION: 20 ft. +/- DATUM: NAVD88 | | | | |
| ### ################################## | LOGO | SED B | Y: <u>B.</u> T | oner | | CHEC | KED B | Y: DRILLING DATE - START: 11/2/17 | /2/17 | | | | |
| Second S | | | | | | - | | | Date / Time / Depth): | | | | |
| Second S | | | | | | | | | | | | | |
| S-1 0-2 19 / 6-9-13-12 24 6-9-13-12 22 24 6-9-13-12 24 6-9-13-12 24 6-9-13-12 24 6-9-13-12 24 6-9-13-12 24 6-9-13-12 24 6-9-13-12 24 6-9-13-12 6-9-13-13 6-9-13-12 6-9-13-13 | 0 | SAMPLE | SAMPLE DEPTH (ft.) | RECOVERY / PENETRATION (i | BLOW COUNT (N-Value) | GRAPHIC LOO | STRATA NAM | MATERIAL DESCRIPTION | COMMENTS | | | | |
| S-2 2 - 4 16 / 24 -11 | 20.0 | S-1 | 0 - 2 | 19 / | | | | Bottom 10" - Medium dense, brown, fine to coarse SAND, trace gravel, trace | | | | | |
| S-3 4 - 6 18 / 24 9-8-7-9 15 S-3 4 - 6 24 9 (15) S-3 S-3 4 - 6 24 9 (15) S-3 S | - | S-2 | 2 - 4 | | -11 | | 7 | Bottom 11" - Medium dense, brown, fine to medium SAND, some silt, trace | | | | | |
| ash); moist. [FILL] - S-4 | 5 15.0 | S-3 | 4 - 6 | | | | FIL | Bottom 7" - Medium dense, dark brown, fine to coarse SAND, trace gravel, | | | | | |
| S-5 8-10 15 / 24 1-1-3-3 (4) | - | S-4 | 6 - 8 | | | | | | | | | | |
| Nedium dense, brown, fine to medium SAND, trace silt; moist. S-7 12 - 14 20 / 24 8-9-10-12 (19) S-8 15 - 17 20 / 24 4-5-8-9 (13) S-9 20 - 22 23 / 24 5-7-12-13 (19) Medium dense, brown, fine to medium SAND, trace silt; moist. Hollow stem filled with wa | - | S-5 | 8 - 10 | | | | | (roots), trace clay; moist. | | | | | |
| - S-7 12 - 14 20 / 24 8-9-10-12 (19) 15♥ - S-8 15 - 17 20 / 24 4-5-8-9 (13) - S-9 20 - 22 23 / 24 5-7-12-13 (19) Medium dense, brown, fine to medium SAND, trace silt; wet. Medium dense, brown, fine to medium SAND, trace silt; wet. | 10.0 | S-6 | 10 - 12 | | | | | Medium dense, brown, fine to medium SAND, trace silt; moist. | | | | | |
| S-8 15 - 17 20 / 24 4-5-8-9 (13) Medium dense, brown, fine to medium SAND, trace silt; wet. Hollow stem filled with wa Medium dense, brown, fine to medium SAND, trace silt; wet. Medium dense, brown, fine to medium SAND, trace silt; wet. | - | - S-7 | 12 - 14 | | | | | Medium dense, brown, fine to medium SAND, trace silt; moist. | | | | | |
| 20 | 15 <u>∨</u> | , | | 20./ | 4500 | | | Medium dense, brown, fine to medium SAND, trace silt; wet. | Hollow stem augers | | | | |
| - S-9 20 - 22 23 / 5-7-12-13 5-7-12-13 (19) 5-7-12-13 (19) | - | S-8 | 15 - 17 | 24 | | | | | illied with water. | | | | |
| Bottom of boring at 22 ft. | 20 0.0 | S-9 | 20 - 22 | | | | | Medium dense, brown, fine to medium SAND, trace silt; wet. | | | | | |
| | | | | | | | | Bottom of boring at 22 ft. | | | | | |
| Top 9" - Topsoil. Bottom 10" - Medium dense, brown, fine to coarse SAND, trace gravel, trace sitt; moist. [FILL] Top 5" - Brown, fine to coarse SAND, trace gravel, trace sitt; moist. [FILL] Top 5" - Brown, fine to coarse SAND, trace gravel, trace | | | | | | | | | | | | | |

W&S BORING LOG - GINT STD US.GDT

ST

AS

SAMPLE TYPE

2" Rock Core

Geoprobe

Split Spoon Shelby Tube Auger/Grab Sample

GRANULAR SOILS

BLOWS/FT

0-4

4-10

10-30

30-50

>50

DENSITY Very Loose

Loose

Medium Dense

Dense

Very Dense

2-4 4-8

8-15

15-30

>30

COHESIVE SOILS BLOWS/FT CONSISTENCY Very Soft Soft

Medium Stiff

Stiff

Very Stiff

Hard

10-20% little <10% trace

ORGANIC SOILS

organic (soil) 15-50% (soil) with some organics 5-15%

SOIL CLASSIFICATION

-y, -ly, -ey 35-50% some 20-35%

Some 20-35%

GENERAL NOTES:

1) The stratification lines represent the approximate boundary between soil types; actual transitions may be gradual.

 Water level readings have been made in the drill holes at the times and conditions stated on the boring log. Fluctuations in the level of groundwater may occur due to other factors than those presented at the time measurements are made.

BORING NUMBER: WSE-5

PAGE 1 OF 2



| CON | NT: <u> </u> | ity of S | omerv | ille | | | | | | | |
|---------------------------------------|---|------------------------------|---------------------------------|------------------------------------|--|-----------------|---|--|---|---|--|
| CON | JECT N | | | | | | | PROJECT NAME: Conw | ay Park | | |
| | | NUMBE | R : <u>21</u> | 70709 | | | | PROJECT LOCATION: _S | Somerville, MA | Α | |
| | TRACT | OR: _T | echnic | al Drilling Se | rvices | | | BORING LOCATION: Se | e Site Plan | | |
| FOR | EMAN: | Brett E | Baylk | | | | | GROUND ELEVATION: 2 | 20.9 ft. +/- | DATUM: NA\ | /D88 |
| LOG | GED B | Y: B. T | oner | | CHECK | ED E | BY: | DRILLING DATE - START | : 11/1/17 | END : 11/ | 1/17 |
| | | | | | | | | GROUNDWATER LEVEL | | | |
| | | | | | | | 140 lb / 30 in / 2 in O.D. | 11/1/2017, 15 ft. +/- | | • | . , |
| O Elevation | SAMPLE | SAMPLE DEPTH (ft.) | RECOVERY / PENETRATION (in.) | BLOW COUNTS (N-Value) | GRAPHIC LOG | STRATA NAME | | MATERIAL DESCRIPTI | ON | | COMMENTS |
| 20.9 - - - | S-1 S-2 | 0.5 - 2.5 2.5 - 4.0 | 18 / 24 18 / 18 | 6-9-11-19 (20) 7-6-4 (10) | | FILL | moist. [FILL] Bottom 11" - Medium of silt; moist. [FILL] Top 10" - Medium density gravel, trace debris (co. Bottom 5" - Brown, fine | e to coarse SAND, some s | e SAND, little medium SAN ilt; moist. [FIL | gravel, trace ND, trace L] | |
| <u>5</u> 15.9 | S-3 | 4 - 6 | 18 / 24 | 4-3-4-6 (7) | | | ⊥debris (coal, slag); moi | ne to medium SAND, som st. [FILL] own, fine to medium SANI | • | | |
| - | - S-4 | 6 - 8 | 24 / 24 | 4-7-9-9 (16) | | | Medium dense, brown, | fine to medium SAND, litt | le silt; moist. | | |
| 10 10.9 | - S-5 | 10 - 12 | 18 / 24 | 4-8-10-11 (18) | | | Medium dense, brown, | fine to medium SAND, tra | nce silt; moist. | | |
| - 15 <u>\</u> 5.9 - - - | | 15 - 17 | 16 / 24 | 5-7-10-10 (17) | | SAND | Medium dense, brown, | fine to medium SAND, tra | ace silt; moist. | | Hollow stem augers filled with water. |
| - 20 0.9 - | S-7 20 - 22 19 / 2-1-4-5 (5) | | | | | | Medium dense, brown, | fine to medium SAND, tra | ace silt; moist. | | |
| - 25 -4.1 S S ST AS | Split | Tube Grab Sar | E | 0-4 \ 4-10 10-30 Me | <u>DENSIT</u> /ery Loo Loose edium De | Y se ense | COHESIVE SOILS BLOWS/FT CONSISTENCY 2 Very Soft 2-4 Soft 4-8 Medium Stiff | some 20-35% little 10-20% trace <10% | types; actual transit 2) Water level read conditions stated or | lines represent the apprions may be gradual. lings have been made in | roximate boundary between soil the drill holes at the times and attions in the level of groundwate |
| NQ | | | | 30-50 | Dense | - 1 | 8-15 Stiff | ORGANIC SOILS | measurements are | | |

PAGE 2 OF 2

Weston(&)Sampson

В

CLIENT: City of Somerville PROJECT NAME: Conway Park PROJECT NUMBER: 2170709 PROJECT LOCATION: Somerville, MA LOW COUNTS (N-Value) STRATA NAME GRAPHIC LOG DEPTH (ft.) Elevation SAMPLE NUMBER RECOVERY / SAMPLE DEPTH (ft.) MATERIAL DESCRIPTION **COMMENTS**

5-6-10-12 24 / S-8 25 - 27 (16)SAND 30 -8 / S-9 24-100/6"

12

31.0

Medium dense, brown, fine to medium SAND, trace gravel, trace silt; moist.

CHECK SAMPLE!!!

Bottom on boring at 31 ft. bgs.

W&S BORING LOG - GINT STD US.GDT - 12/12/17 12:57 - P:WA\SOMERVILLE MA\CONWAY PARK\GEOTECHNICAL\FIELD WORK\BORING LOGS\CONWAY PARK BORING LOGS.GPJ

SAMPLE TYPE Split Spoon ST Shelby Tube AS Auger/Grab Sample 2" Rock Core GP Geoprobe

GRANULAR SOILS <u>DENSITY</u> Very Loose BLOWS/FT 0-44-10 Loose 10-30 Medium Dense 30-50 Dense >50 Very Dense

COHESIVE SOILS BLOWS/FT CONSISTENCY Very Soft Soft 2-4 4-8 Medium Stiff 8-15 Stiff 15-30 Very Stiff >30 Hard

SOIL CLASSIFICATION -y, -ly, -ey 35-50% some 20-35% 10-20% little <10% trace

ORGANIC SOILS organic (soil) 15-50% (soil) with some organics 5-15%

GENERAL NOTES:1) The stratification lines represent the approximate boundary between soil types; actual transitions may be gradual.

 Water level readings have been made in the drill holes at the times and conditions stated on the boring log. Fluctuations in the level of groundwater may occur due to other factors than those presented at the time measurements are made

BORING NUMBER: WSE-6

PAGE 1 OF 2



| CLIENT | : Ci | ty of So | omerv | ille | | | | PROJECT NAME: Conw | ay Park | | | |
|--|---------|--------------------------|-------------------------------|-------------------------------|--|-----------------|--|--|---|---|-----------------------|--|
| PROJEC | | | | | | | | PROJECT LOCATION: Somerville, MA | | | | |
| CONTRA | ACT | OR: Te | echnic | al Drilling Se | rvices | | | BORING LOCATION: Se | e Site Plan | | | |
| FOREM | | | | | | | | GROUND ELEVATION: 20.9 ft. +/- DATUM: NAVD88 DRILLING DATE - START: 11/1/17 END: 11/1/17 | | | | |
| LOGGE | _ | | - | (| CHECK | ED E | Y: | | | | | |
| DRILLIN | NG M | ETHOD |)/CAS | | | | | GROUNDWATER LEVEL | AT THE TIME | OF DRILLING (| Date / Time / Depth): | |
| | | | | | | | 140 lb / 30 in / 2 in O.D. | 11/1/2017, 15 ft. +/- | | | | |
| DEPTH (ft.) Elevation | SAMPLE | SAMPLE DEPTH (ft.) | RECOVERY / NETRATION (in.) | BLOW COUNTS (N-Value) | SRAPHIC LOG | STRATA NAME | | MATERIAL DESCRIPTI | ON | | COMMENTS | |
| 9J O DEP | N U | SA | REC(| BLOW (N-) | XXXX GRAP | STRA | Top 0" Toposil | | | | | |
| | S-1 | 0 - 2 | 12 / 24 | 5-16-22-25 (38) | | | [FILL] | wn, fine to coarse SAND, t | - | | | |
| 5 | S-2 | 2 - 4 | 15 / 24 | 10-9-13-13 (22) | | | (coal ash, slag); moist. | e to coarse SAND, little silt | _ | | | |
| 5 5 | S-3 | 4 - 6 | 12 / 24 | 12-13-9-8 (22) | | Ħ | Medium dense, dark b moist. [FILL] | rown, fine to coarse SAND |), some silt, tra | ace gravel; | | |
| 5 | S-4 | 6 - 8 | 10 / 24 | 4-5-6-6 (11) | | | Medium dense, dark b trace debris (slate); mo | rown, fine to coarse SAND pist. [FILL] |), some silt, tra | ace gravel, | | |
| 5 | S-5 | 8 - 10 | 17 / 24 | 3-4-4-5 (8) | | | debris (slate); moist. [| ne to coarse SAND, some FILL] ht gray, fine to medium SA | | | | |
| 10.9 | S-6 | 10 - 12 | 12 / 24 | 5-4-4-6 (8) | | | Loose, light gray, fine t | o medium SAND, trace sil | t; moist. | | | |
| \$ | S-7 | 12 - 14 | 17 / 24 | 5-5-5-6 (10) | | | Medium dense, light gr | ay, fine to medium SAND | , trace silt; mo | oist. | | |
| 15 <u>▽</u> 5.9 – | S-8 | 15 - 17 | 18 / 24 | 4-4-5-6 (9) | | | Loose, light gray, fine t | o medium SAND, trace sil | t; wet. | | | |
| | | | | | | SAND | Loose light grow fire | o medium SAND, trace sil | t· wet | | | |
| | S-9 2 | 20 - 22 | 17 / 24 | 4-2-2-3 (4) | | | Loose, light gray, line t | o medidiri oand, trace sil | i, wei. | | | |
| 25 | | | Т | | | | | DOM OF TOOLERS | | | | |
| SAN S Sp ST Sh AS Au NQ 2" | plit Sp | Tube Grab San Core | | 0-4 4-10 10-30 30-50 | DENSIT /ery Loo: Loose dium De Dense | Y se ense | COHESIVE SOILS BLOWS/FT CONSISTENCY 2 Very Soft 2-4 Soft 4-8 Medium Stiff 8-15 Stiff 15-30 Very Stiff | some 20-35% little 10-20% trace <10% ORGANIC SOILS | types; actual transit 2) Water level read conditions stated or | lines represent the approtions may be gradual. dings have been made in n the boring log. Fluctuat ther factors than those primade. | | |
| | | | | >50 V | ery Den | se | 15-30 Very Stiff >30 Hard | organic (soil) 15-50% (soil) with some organics 5-15% | | BORING | NUMBER: WSE | |

PAGE 2 OF 2

Weston(&)Sampson

CLIENT: City of Somerville PROJECT NAME: Conway Park PROJECT NUMBER: 2170709 PROJECT LOCATION: Somerville, MA BLOW COUNTS (N-Value) STRATA NAME GRAPHIC LOG DEPTH (ft.) Elevation SAMPLE NUMBER SAMPLE DEPTH (ft.) RECOVERY / MATERIAL DESCRIPTION **COMMENTS** Loose, light gray, fine to medium SAND, trace silt; wet. SAND 2-5-6-7 S-10 25 - 27 (11)

Bottom of boring at 27 ft. bgs.

W&S BORING LOG - GINT STD US.GDT - 12/12/17 12:57 - P:WA\SOMERVILLE MA\CONWAY PARK\GEOTECHNICAL\FIELD WORK\BORING LOGS\CONWAY PARK BORING LOGS.GPJ

SAMPLE TYPE Split Spoon ST Shelby Tube AS Auger/Grab Sample 2" Rock Core Geoprobe

GRANULAR SOILS BLOWS/FT <u>DENSITY</u> Very Loose 0-44-10 Loose 10-30 Medium Dense 30-50 Dense >50 Very Dense

COHESIVE SOILS BLOWS/FT CONSISTENCY Very Soft Soft 2-4 4-8 Medium Stiff 8-15 Stiff 15-30 Very Stiff >30 Hard

SOIL CLASSIFICATION 35-50% 20-35% -y, -ly, -ey some 10-20% little <10% trace

ORGANIC SOILS organic (soil) 15-50% (soil) with some organics 5-15%

GENERAL NOTES:1) The stratification lines represent the approximate boundary between soil types; actual transitions may be gradual.

 Water level readings have been made in the drill holes at the times and conditions stated on the boring log. Fluctuations in the level of groundwater may occur due to other factors than those presented at the time measurements are made

BORING NUMBER: WSE-7

PAGE 1 OF 2



| CLIEN | T : C | ity of S | omerv | rille | | | | PROJECT NAME: Conw | av Park | | |
|----------------|--------------------|--------------------------|---------------------------------|--|--|------------------|--|---|---|---|--|
| | | UMBE | | | | | | PROJECT LOCATION: S | - | 4 | |
| CONTI | RACT | OR: Te | echnic | al Drilling Se | rvices | | | BORING LOCATION: See | e Site Plan | | |
| | | Brett E | | <u>, </u> | | | | GROUND ELEVATION: 2 | | DATUM: NA | /D88 |
| | | /: _B.T | - | (| CHECK | (ED I | BY: | DRILLING DATE - START | | END: _11/ | |
| | | | | | | | 4.25 in. I.D. | | | | |
| | | | | | | | 140 lb / 30 in / 2 in O.D. | | | | , |
| | | | | | | | T | | \ · · = · · · · · · · · · · · · · · · · | | I |
| 0 | SAMPLE NUMBER | SAMPLE DEPTH (ft.) | RECOVERY / PENETRATION (in.) | BLOW COUNTS (N-Value) | GRAPHIC LOG | STRATA NAME | | MATERIAL DESCRIPTION | ON | | COMMENTS |
| 20.0 | S-1 | 0 - 2 | 24 / 24 | 5-8-12-12 (20) | | | gravel; moist. [FILL] | lium dense, brown, fine to o | coarse SAND, | some silt, little | |
| | S-2 | 2 - 3.3 | 8 / 15 | 17-11-7/3" | | | Bottom 2" - Dark brow [FILL] | n, fine to medium, sandy S to medium sandy SILT, so | • | | At 3.25 ft. bgs: Obstruction encountered during sampling, moved |
| 5 | S-3 | 4 - 6 | 6 / 24 | 4-4-3-3 (7) | | | | wn, fine to medium sandy S | SILT, some de | ebris (ash, | boring 5 ft. east. |
| | S-4 | 6 - 7.3 | 8 / 15 | 3-4-100/3" | | FILL | Hard, dark brown, fine trace gravel; moist. [F | to medium sandy SILT, so ILL] | me debris (br | ick, coal, slag), | |
| 10▽ | S-5 | 8 - 10 | 2 / 24 | 6-4-3-4 (7) | | | Medium stiff, dark bro | wn, fine to medium sandy S | SILT, some gr | avel; moist. | |
| 10.0 | S-6 | 10 - 12 | 2 / 24 | 4-4-3-3 (7) | | | Medium stiff, dark browet. [FILL] | wn, fine to medium sandy S | SILT, trace org | ganics (roots); | |
| | S-7 | 12 - 14 | 12 / 24 | 5-4-4-4 (8) | | | (coal), trace organics | dark brown, fine to medium (roots); wet Petroleum odor m, fine to medium SAND, li | [FILL] | | |
| 15 | S-8 | 14 - 16 | 18 / 24 | 4-5-5-6 (10) | | | | fine to coarse SAND, trace | | g , | |
| - | | | | (10) | | SAND | | | | | |
| 20 | S-9 | 19 - 21 | 19 / | 8-8-10-10 | | | 1 . | coarse SAND, some silt; v | | | |
| 0.0 | | | 24 | (18) | _ | SILT | Bottom 14" - Very stiff | , brown, SILT, trace fine to | medium sand | I; wet. | |
| | | | | | | SAND | Medium dense brown | , fine to coarse SAND, trac | e silt: wet | | |
| 25 -5.0 | | | 19 / | 6-10-6-4 | - | | · | | | | |
| SAS AS AS NQ 2 | Split Sp Shelby | Tube Grab San Core | | 0-4 4-10 10-30 Me 30-50 | DENSIT /ery Loo Loose edium De Dense | Y ese ense | COHESIVE SOILS BLOWS/FT CONSISTENCY 2 Very Soft 2-4 Soft 4-8 Medium Stiff 8-15 Stiff 15-20 Very Soft Stiff | some 20-35% little 10-20% trace <10% ORGANIC SOILS | types; actual transiti 2) Water level read conditions stated or | lines represent the apprions may be gradual. ings have been made in the boring log. Fluctuather factors than those page 1. | roximate boundary between so in the drill holes at the times an ations in the level of groundwa presented at the time |
| | | | | >50 \ | /ery Der | ise | 15-30 Very Stiff >30 Hard | organic (soil) 15-50% (soil) with some organics 5-15% | | BORING | NUMBER: WSE |



PAGE 2 OF 2

CLIENT: City of Somerville PROJECT NAME: Conway Park PROJECT NUMBER: 2170709 PROJECT LOCATION: Somerville, MA BLOW COUNTS (N-Value) STRATA NAME GRAPHIC LOG DEPTH (ft.) Elevation SAMPLE NUMBER SAMPLE DEPTH (ft.) RECOVERY / MATERIAL DESCRIPTION COMMENTS S-10 24 - 26

Bottom of boring at 26 ft. bgs

W&S BORING LOG - GINT STD US.GDT - 12/12/17 12:57 - P:WA\SOMERVILLE MA\CONWAY PARK\GEOTECHNICAL\FIELD WORK\BORING LOGS\CONWAY PARK BORING LOGS.GPJ

SAMPLE TYPE Split Spoon Shelby Tube Auger/Grab Sample ST AS 2" Rock Core GP Geoprobe

GRANULAR SOILS BLOWS/FT <u>DENSITY</u> Very Loose 0-44-10 Loose 10-30 Medium Dense 30-50 Dense >50 Very Dense

COHESIVE SOILS BLOWS/FT CONSISTENCY Very Soft Soft 2-4 4-8 Medium Stiff 8-15 Stiff 15-30 Very Stiff >30 Hard

SOIL CLASSIFICATION 35-50% 20-35% -y, -ly, -ey some 10-20% little <10% trace

ORGANIC SOILS organic (soil) 15-50% (soil) with some organics 5-15%

GENERAL NOTES:1) The stratification lines represent the approximate boundary between soil types; actual transitions may be gradual.

 Water level readings have been made in the drill holes at the times and conditions stated on the boring log. Fluctuations in the level of groundwater may occur due to other factors than those presented at the time measurements are made

BORING NUMBER: WSE-8

ATTACHMENT B

Monitoring Well Construction Logs

GROUNDWATER MONITORING WELL INSTALLATION REPORT PROJECT NAME/NO. 2180123 MONITORING WELL NO. **LOCATION** Conway Park, Somerville, MA MW-101 CLIENT City of Somerville **ELEVATION** New England Geotech DRILLER Maynor CONTRACTOR TOP OF PVC **OBSERVED BY** Taylor Smith DATE 3/6/18 DEPTH TO GROUNDWATER FROM DATE TOP OF PVC CHECKED BY **GROUND ELEVATION** FLUSH-MOUNTED ROADBOX (GROUND SURFACE) GENERAL SOIL CONDITIONS THICKNESS OF SURFACE SEAL(S) 0.5 Feet (NOT TO SCALE) TYPE OF SURFACE SEAL(S) Concrete TYPE OF SURFACE CASING Cast Iron/Galvanized Steel ID OF SURFACE CASING 6 inches DEPTH BOTTOM OF CASING 0.5 feet ID OF RISER PIPE 2 inches TYPE OF RISER PIPE Schedule 40 PVC TYPE OF BACKFILL AROUND RISER PIPE #2 Sand DEPTH TOP OF SEAL 0.5 feet TYPE OF SEAL Bentonite Chips DEPTH BOTTOM OF SEAL/TOP OF SAND COLUMN 1.5 feet DEPTH TOP OF SCREEN 5 feet TYPE OF SCREEN Slotted PVC SIZE OPENINGS 0.010-inch ID OF SCREEN 2 inches TYPE OF BACKFILL AROUND SCREEN #2 Sand DEPTH BOTTOM OF SCREEN 15 feet DEPTH BOTTOM OF SAND COLUMN 15 feet TYPE OF BACKFILL BELOW SCREEN None DIAMETER OF BOREHOLE 3 inches DEPTH BOTTOM OF BOREHOLE 15 feet NOTES: MONITORING WELL NO. MW-101 Weston & Sampson

GROUNDWATER MONITORING WELL INSTALLATION REPORT PROJECT NAME/NO. 2180123 MONITORING WELL NO. **LOCATION** Conway Park, Somerville, MA MW-102 CLIENT City of Somerville **ELEVATION** New England Geotech DRILLER Maynor CONTRACTOR TOP OF PVC **OBSERVED BY** Taylor Smith DATE 3/6/18 DEPTH TO GROUNDWATER FROM DATE TOP OF PVC CHECKED BY **GROUND ELEVATION** FLUSH-MOUNTED ROADBOX (GROUND SURFACE) GENERAL SOIL CONDITIONS THICKNESS OF SURFACE SEAL(S) 0.5 Feet (NOT TO SCALE) TYPE OF SURFACE SEAL(S) Concrete TYPE OF SURFACE CASING Cast Iron/Galvanized Steel ID OF SURFACE CASING 6 inches DEPTH BOTTOM OF CASING 0.5 feet ID OF RISER PIPE 2 inches TYPE OF RISER PIPE Schedule 40 PVC TYPE OF BACKFILL AROUND RISER PIPE #2 Sand DEPTH TOP OF SEAL 0.5 feet TYPE OF SEAL Bentonite Chips DEPTH BOTTOM OF SEAL/TOP OF SAND COLUMN 1.5 feet DEPTH TOP OF SCREEN 5 feet TYPE OF SCREEN Slotted PVC SIZE OPENINGS 0.010-inch ID OF SCREEN 2 inches TYPE OF BACKFILL AROUND SCREEN #2 Sand DEPTH BOTTOM OF SCREEN 15 feet DEPTH BOTTOM OF SAND COLUMN 15 feet TYPE OF BACKFILL BELOW SCREEN None DIAMETER OF BOREHOLE 3 inches DEPTH BOTTOM OF BOREHOLE 15 feet NOTES: MONITORING WELL NO. MW-102 Weston & Sampson

GROUNDWATER MONITORING WELL INSTALLATION REPORT PROJECT NAME/NO. 2180123 MONITORING WELL NO. **LOCATION** Conway Park, Somerville, MA MW-103 CLIENT City of Somerville **ELEVATION** New England Geotech DRILLER Maynor CONTRACTOR TOP OF PVC **OBSERVED BY** Taylor Smith DATE 3/6/18 DEPTH TO GROUNDWATER FROM DATE TOP OF PVC CHECKED BY **GROUND ELEVATION** FLUSH-MOUNTED ROADBOX (GROUND SURFACE) GENERAL SOIL CONDITIONS THICKNESS OF SURFACE SEAL(S) 0.5 Feet (NOT TO SCALE) TYPE OF SURFACE SEAL(S) Concrete TYPE OF SURFACE CASING Cast Iron/Galvanized Steel ID OF SURFACE CASING 6 inches DEPTH BOTTOM OF CASING 0.5 feet ID OF RISER PIPE 2 inches TYPE OF RISER PIPE Schedule 40 PVC TYPE OF BACKFILL AROUND RISER PIPE #2 Sand DEPTH TOP OF SEAL 0.5 feet TYPE OF SEAL Bentonite Chips DEPTH BOTTOM OF SEAL/TOP OF SAND COLUMN 1.5 feet DEPTH TOP OF SCREEN 5 feet TYPE OF SCREEN Slotted PVC SIZE OPENINGS 0.010-inch ID OF SCREEN 2 inches TYPE OF BACKFILL AROUND SCREEN #2 Sand DEPTH BOTTOM OF SCREEN 15 feet DEPTH BOTTOM OF SAND COLUMN 15 feet TYPE OF BACKFILL BELOW SCREEN None DIAMETER OF BOREHOLE 3 inches DEPTH BOTTOM OF BOREHOLE 15 feet NOTES: MONITORING WELL NO. MW-103 Weston & Sampson

GROUNDWATER MONITORING WELL INSTALLATION REPORT PROJECT NAME/NO. 2180123 MONITORING WELL NO. **LOCATION** Conway Park, Somerville, MA MW-104 CLIENT City of Somerville **ELEVATION** New England Geotech DRILLER Maynor CONTRACTOR TOP OF PVC **OBSERVED BY** Taylor Smith DATE 3/6/18 DEPTH TO GROUNDWATER FROM DATE TOP OF PVC CHECKED BY **GROUND ELEVATION** FLUSH-MOUNTED ROADBOX (GROUND SURFACE) GENERAL SOIL CONDITIONS THICKNESS OF SURFACE SEAL(S) 0.5 Feet (NOT TO SCALE) TYPE OF SURFACE SEAL(S) Concrete TYPE OF SURFACE CASING Cast Iron/Galvanized Steel ID OF SURFACE CASING 6 inches DEPTH BOTTOM OF CASING 0.5 feet ID OF RISER PIPE 2 inches TYPE OF RISER PIPE Schedule 40 PVC TYPE OF BACKFILL AROUND RISER PIPE #2 Sand DEPTH TOP OF SEAL 0.5 feet TYPE OF SEAL Bentonite Chips DEPTH BOTTOM OF SEAL/TOP OF SAND COLUMN 1.5 feet DEPTH TOP OF SCREEN 5 feet TYPE OF SCREEN Slotted PVC SIZE OPENINGS 0.010-inch ID OF SCREEN 2 inches TYPE OF BACKFILL AROUND SCREEN #2 Sand DEPTH BOTTOM OF SCREEN 15 feet DEPTH BOTTOM OF SAND COLUMN 15 feet TYPE OF BACKFILL BELOW SCREEN None DIAMETER OF BOREHOLE 3 inches DEPTH BOTTOM OF BOREHOLE 15 feet NOTES: MONITORING WELL NO. MW-104 Weston & Sampson